METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JULY TO 31ST DECEMBER, 1902.

DAILY WEATHER REPORT.

July to December 1902.

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VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE

(CONTINUED).

	STATIONS.	PRESSURE AT 8 A.M. Means, 1871-1900.	TEMPERATURE OF AIR. 1871-1900. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Date.	Minimum.	Date.	RAINFALL. Means for 1871-1900: Days with Rain.	Total Fall.	1866-1900: Total Fall.	BRIGHT SUNSHINE. Means, 1881-1900. Average Duration.	Per cent. of possible.
		(Inches.)	°	°	°	°	°		°				(Inches.)	(Hours.)	
OCTOBER.	Sumburgh Head ...	29 · 721	45 · 9	44 · 3	49 · 8	41 · 6	61	1898	26	1875	24	4 · 43		—	—
	Stornoway	29 · 752	45 · 4	44 · 4	51 · 1	40 · 3	70	1898	26	1880	24	5 · 31		87 · 0	28
	Malin Head	29 · 803	48 · 4	46 · 3	52 · 6	45 · 6	[69]*	[1898]	[32]*	[1892]	[21]*	[2 · 99]*		—	—
	Blacksod Point	29 · 851	49 · 5	46 · 6	54 · 1	45 · 9	[70]*	[1898]	[33]*	[1892]	[23]*	[5 · 20]*		—	—
	Valencia	29 · 885	51 · 0	48 · 9	56 · 4	46 · 3	69	1898	28	1892	22	5 · 61		104 · 4	32
	Roche's Point	29 · 886	50 · 1	48 · 3	55 · 8	46 · 0	65	1880, 84, 86	32	1881	16	4 · 21		—	—
	Parsonstown	29 · 883	45 · 5	44 · 0	54 · 7	40 · 5	69	1898	22	1880	18	3 · 06		99 · 9	31
	Donaghadee	29 · 843	47 · 8	46 · 5	53 · 7	43 · 5	66	1898	21	1892	18	3 · 14		—	—
	Liverpool	29 · 872	47 · 7	45 · 6	53 · 8	44 · 5	72	1886	27	1895	18	3 · 52		—	—
	Holyhead	29 · 863	50 · 2	48 · 1	54 · 7	46 · 9	71	1886	32	1892	20	4 · 33		—	—
	Pembroke	29 · 880	51 · 2	49 · 2	54 · 9	47 · 9	66	1872, 1886	33	1895	20	4 · 14		104 · 9	32
	Scilly	29 · 897	53 · 8	51 · 7	56 · 9	50 · 1	69	1895	38	1895, 96	21	3 · 73		—	—
	Jersey	29 · 926	53 · 7	50 · 9	58 · 6	48 · 9	73	1876, 1898, 1900	33	1887	19	4 · 47		130 · 0	40
	Portland Bill‡	[30 · 029]	[53 · 4]	[51 · 3]	[58 · 5]	[49 · 2]	—	—	—	—	[12]	[1 · 72]		—	—
	Dungeness	29 · 908	50 · 4	48 · 6	56 · 6	46 · 2	70	1886	23	1890	16	3 · 23		—	—
	Wick	29 · 755	46 · 2	44 · 6	51 · 8	40 · 4	73	1898	22	1885	21	3 · 11		—	—
	Nairn	29 · 773	44 · 6	42 · 8	52 · 2	39 · 8	72	1898	19	1896	18	2 · 43		—	—
	Aberdeen	29 · 791	45 · 7	43 · 6	52 · 5	41 · 2	74	1883	25	1880	20	3 · 00		98 · 9	31
	Leith	29 · 814	46 · 4	44 · 6	54 · 6	41 · 5	70	1898	25	1894	16	2 · 09		—	—
	North Shields	29 · 836	46 · 9	45 · 2	53 · 4	42 · 2	69	1898	27	1890, 92, 95	17	2 · 75		—	—
	Spurn Head	29 · 857	48 · 9	47 · 4	53 · 6	45 · 6	[70]*	[1900]	[33]*	[1887, 95]	16	2 · 34		—	—
	Yarmouth	29 · 884	49 · 2	47 · 6	54 · 4	44 · 6	74	1900	27	1895	18	2 · 98		—	—
	Loughborough	29 · 897	45 · 4	44 · 2	55 · 8	40 · 8	[77]*	[1886]	[20]*	[1890]	17	2 · 76		—	—
	Oxford	29 · 916	46 · 1	44 · 8	55 · 6	42 · 1	76	1886	22	1873	15	2 · 76		102 · 7	32
	LONDON	29 · 918	47 · 6	46 · 0	56 · 8	42 · 9	80	1886	24	1890	16	2 · 70		70 · 6†	22†
NOVEMBER.	Sumburgh Head	29 · 710	42 · 6	41 · 0	46 · 1	38 · 5	55	1890	21	1875	24	4 · 12		—	—
	Stornoway	29 · 720	42 · 5	41 · 5	46 · 8	37 · 4	58	1897	20	1880	23	5 · 28		40 · 6	18
	Malin Head	29 · 773	44 · 3	42 · 5	48 · 3	41 · 2	[59]*	[1894, 99]	[31]*	[1889]	[20]*	[3 · 08]*		—	—
	Blacksod Point	29 · 819	45 · 7	43 · 7	49 · 7	41 · 7	[60]*	[1897, 99]	[26]*	[1890]	[24]*	[5 · 22]*		—	—
	Valencia	29 · 883	47 · 6	45 · 6	52 · 4	43 · 0	63	1881	27	1890, 96	22	5 · 67		65 · 8	26
	Roche's Point	29 · 888	46 · 5	45 · 0	51 · 4	42 · 3	61	1875	27	1890	19	4 · 65		—	—
	Parsonstown	29 · 869	42 · 0	40 · 6	49 · 4	37 · 2	63	1872	20	1890	19	2 · 97		63 · 8	25
	Donaghadee	29 · 838	43 · 9	42 · 7	48 · 8	39 · 7	60	1894	27	1878, 83	19	3 · 12		—	—
	Liverpool	29 · 883	43 · 0	41 · 2	48 · 3	40 · 0	63	1872	22	1880	17	2 · 71		—	—
	Holyhead	29 · 865	46 · 2	44 · 4	50 · 0	43 · 0	62	1881	29	1880	20	3 · 96		—	—
	Pembroke	29 · 890	47 · 4	45 · 7	50 · 6	43 · 9	58	1884, 95, 97, 99	28	1890	20	3 · 94		60 · 9	24
	Scilly	29 · 911	50 · 3	48 · 3	53 · 0	46 · 6	61	1898	29	1890	21	3 · 65		—	—
	Jersey	29 · 953	48 · 2	46 · 1	52 · 6	44 · 4	66	1899	16	1890	19	4 · 07		73 · 5	27
	Portland Bill‡	[29 · 969]	[49 · 9]	[47 · 7]	[53 · 3]	[45 · 3]	—	—	—	—	[14]	[3 · 65]		—	—
	Dungeness	29 · 923	45 · 0	43 · 6	50 · 1	41 · 1	63	1899	17	1890	17	2 · 57		—	—
	Wick	29 · 743	42 · 0	40 · 6	46 · 7	36 · 8	62	1900	15	1884	20	2 · 89		—	—
	Nairn	29 · 761	40 · 5	38 · 9	46 · 3	35 · 6	61	1885, 94	18	1880, 98	17	2 · 13		—	—
	Aberdeen	29 · 792	41 · 1	39 · 3	46 · 6	37 · 1	62	1872, 89	15	1880, 84	20	3 · 06		52 · 7	22
	Leith	29 · 817	42 · 3	40 · 5	48 · 5	37 · 5	64	1872	18	1885	16	2 · 07		—	—
	North Shields	29 · 844	42 · 8	41 · 2	48 · 0	38 · 4	62	1881, 94	20	1880	17	2 · 33		—	—
	Spurn Head	29 · 874	43 · 8	42 · 5	47 · 5	40 · 7	[61]*	[1894, 95]	[28]*	[1884]	17	2 · 19		—	—
	Yarmouth	29 · 898	43 · 7	42 · 5	48 · 0	39 · 5	60	1895, 98, 99	23	1890	19	2 · 78		—	—
	Loughborough	29 · 910	40 · 9	39 · 7	48 · 6	37 · 0	[64]*	[1900]	[19]*	[1887, 93]	17	2 · 14		—	—
	Oxford	29 · 928	41 · 6	40 · 4	48 · 8	37 · 9	68	1881	19	1871, 87	15	2 · 39		56 · 4	22
	LONDON	29 · 931	42 · 8	41 · 3	49 · 8	38 · 5	65	1894	19	1879	16	2 · 29		27 · 7†	11†
DECEMBER.	Sumburgh Head	29 · 647	40 · 1	38 · 6	43 · 2	35 · 9	53	1890	19	1877	26	4 · 46		—	—
	Stornoway	29 · 671	40 · 0	39 · 0	43 · 7	34 · 6	55	1898	15	1880	26	5 · 68		23 · 9	12
	Malin Head	29 · 748	41 · 6	40 · 1	45 · 4	38 · 3	[55]*	[1900]	[31]*	[1886, 87, 91, 92, 94, 98, 99]	[24]*	[3 · 36]*		—	—
	Blacksod Point	29 · 803	43 · 2	41 · 3	47 · 2	39 · 2	[59]*	[1899]	[26]*	[1896]	[27]*	[6 · 12]*		—	—
	Valencia	29 · 880	45 · 4	43 · 2	50 · 1	40 · 6	57	1884, 88, 99, 1900	24	1886	25	6 · 34		42 · 6	18
	Roche's Point	29 · 894	44 · 0	42 · 6	48 · 5	39 · 9	58	1873	25	1882	20	5 · 47		—	—
	Parsonstown	29 · 872	38 · 8	37 · 6	45 · 5	34 · 0	58	1877, 1900	8	1878	20	3 · 17		44 · 7	20
	Donaghadee	29 · 823	40 · 3	40 · 0	46 · 1	36 · 6	56	1885, 88, 94	20	1879	21	2 · 96		—	—
	Liverpool	29 · 881	39 · 4	37 · 7	44 · 2	36 · 1	59	1891, 98, 1900	13	1878	18	2 · 64		—	—
	Holyhead	29 · 864	43 · 3	41 · 6	46 · 8	39 · 5	56	1872, 88	25	1874	20	3 · 94		—	—
	Pembroke	29 · 903	44 · 4	43 · 0	47 · 4	40 · 9	57	1898	19	1890	21	4 · 17		44 · 0	19
	Scilly	29 · 936	47 · 7	45 · 8	50 · 3	43 · 8	58	1899, 1900	30	1890	22	4 · 19		—	—
	Jersey	29 · 992	44 · 0	42 · 2	48 · 1	40 · 1	61	1876	19	1871	20	3 · 88		62 · 3	25
	Portland Bill‡	[29 · 911]	[45 · 2]	[43 · 9]	[48 · 9]	[39 · 8]	—	—	—	—	[21]	[3 · 50]		—	—
	Dungeness	29 · 952	40 · 6	39 · 5	45 · 2	36 · 3	56	1880, 97, 98, 1900	12	1890	17	2 · 11		—	—
	Wick	29 · 684	38 · 7	37 · 5	42 · 9	33 · 4	56	[1898]	10	1880	22	3 · 18		—	—
	Nairn	29 · 713	37 · 5	36 · 0	42 · 6	32 · 4	58	1900	10	1882	18	2 · 16		—	—
	Aberdeen	29 · 747	37 · 5	35 · 8	42 · 4	33 · 3	58	1873	6	1882	20	3 · 23		38 · 2	19
	Leith	29 · 782	39 · 1	37 · 6	44 · 5	34 · 1	60	1896	6	1882	15	1 · 95		—	—
	North Shields	29 · 825	38 · 9	37 · 5	43 · 6	34 · 3	59	1873, 98	10	1878, 79	16	2 · 34		—	—
	Spurn Head	29 · 864	39 · 4	38 · 2	43 · 1	35 · 8	[56]*	[1898]	[19]*	[1891]	17	2 · 07		—	—
	Yarmouth	29 · 911	38 · 6	37 · 5	42 · 7	34 · 2	56	1873	15	1879	17	2 · 47		—	—
	Loughborough	29 · 914	36 · 9	35 · 9	43 · 5	32 · 8	[59]*	[1888, 1900]	[7]*	[1890]	15	2 · 35		—	—
	Oxford	29 · 950	37 · 6	36 · 5	43 · 7	34 · 0	58	1888, 97	6	1878	16	2 · 16		41 · 6	18
	LONDON	29 · 953	38 · 5	37 · 3	44 · 7	34 · 4	58	1873, 88, 91, 98	11	1878	15	2 · 15		13 · 1†	5†

* These values are from observations made during the following periods:—Spurn Head and Loughborough, 20 years, 1881-1900; Malin Head and Blacksod Point (Belmullet), 15 years, 1886-1900.

† The Sunshine values are for Westminster.

‡ The values for Portland Bill are for two years only, 1899-1900.

SUPPLEMENT TO THE DAILY WEATHER REPORT.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE

IN THE SIX MONTHS, JULY TO DECEMBER.

	STATIONS.	PRESSURE AT 8 A.M. Means, 1871-1900.	TEMPERATURE OF AIR. 1871-1900. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Date.	Minimum.	Date.	RAINFALL. Means for 1871-1900: Days with Rain.	Total Fall.	1866-1900: Total Fall.	BRIGHT SUNSHINE. Means, 1881-1900. Average Duration.	Per cent. of possible.
		(Inches.)	°	°	°	°	°		°				(Inches.)	(Hours.)	
JULY.	Sumburgh Head	29·806	53·4	51·7	57·6	48·3	70	1897	37	1888	17	2·33	—	—	—
	Stornoway	29·822	55·5	53·7	60·3	49·1	76	1894	32	1888	21	2·97	140·8	26	
	Malin Head	29·873	56·1	54·0	61·0	53·6	[75]*	[1887]	[42]*	[1888]	[19]*	[2·87]*	—	—	
	Blacksod Point	29·914	57·8	55·2	62·4	53·8	[80]*	[1894]	[42]*	[1898]	[21]*	[2·94]*	—	—	
	Valencia	29·960	59·2	56·6	64·0	53·8	80	1878	42	1898	20	3·95	154·4	31	
	Roche's Point	29·957	59·0	56·1	65·8	53·7	84	1876	45	1888	15	3·00	—	—	
	Parsonstown	29·937	58·1	55·0	66·4	51·7	89	1876	37	1889	17	2·93	139·2	28	
	Donaghadee	29·904	57·4	55·5	63·5	52·1	81	1876	40	1883	18	2·83	—	—	
	Liverpool	29·927	59·5	55·6	66·0	54·3	89	1873	44	1877	16	2·77	—	—	
	Holyhead	29·932	58·3	56·0	63·8	54·1	83	1894	43	1888	16	2·46	—	—	
	Pembroke	29·956	58·2	56·2	62·7	54·9	80	1878	45	1888	14	2·42	205·3	42	
	Scilly	29·987	60·5	58·3	64·9	56·5	75	1886	48	1875	16	2·29	—	—	
	Jersey	30·015	62·5	59·1	68·6	56·5	90	1873	46	1877, 97	13	2·30	244·2	51	
	Portland Bill ‡	[30·071]	[61·7]	[59·3]	[67·0]	[55·4]	—	—	—	—	[8]	[0·94]	—	—	
	Dungeness	29·965	61·9	58·6	67·0	56·1	82	1900	40	1890	12	1·62	—	—	
	Wick	29·835	56·0	53·7	61·8	48·9	81	1876	30	1886	18	2·54	—	—	
	Nairn	29·838	56·9	53·7	64·5	50·3	86	1876	37	1886, 97, 98	17	2·68	—	—	
	Aberdeen	29·852	57·6	53·8	63·7	50·7	86	1876	38	1898	18	2·82	165·0	32	
	Leith	29·867	58·6	55·0	66·6	51·4	90	1876	41	1887, 88, 92	16	2·76	—	—	
	North Shields	29·887	58·2	55·1	64·3	51·9	85	1876	40	1885	15	2·55	—	—	
	Spurn Head	29·914	59·6	56·9	65·1	55·0	[84]*	[1881, 1900]	[44]*	[1888]	13	1·70	—	—	
	Yarmouth	29·938	60·8	57·6	66·3	54·9	87	1881	42	1872, 90	15	2·69	—	—	
	Loughborough	29·947	60·9	57·2	71·4	52·6	[90]*	[1881]	[39]*	[1888]	15	2·24	—	—	
	Oxford	29·963	60·2	56·6	70·1	53·5	90	1876, 1900	41	1888	14	2·49	200·7	41	
	LONDON	29·971	62·2	57·7	72·7	54·2	95	1881	41	1877	13	2·27	174·7†	36†	
AUGUST.	Sumburgh Head	29·782	53·5	51·9	57·7	48·5	69	1880	38	1885, 95	18	3·25	—	—	
	Stornoway	29·794	55·1	53·5	60·2	49·1	75	1897, 99	33	1888	21	3·60	131·3	28	
	Malin Head	29·839	56·4	54·3	61·8	54·1	[80]*	[1900]	[43]*	[1891]	[21]*	[3·25]*	—	—	
	Blacksod Point	29·878	58·1	55·5	62·7	54·1	[78]*	[1899]	[42]*	[1887-88]	[22]*	[4·98]*	—	—	
	Valencia	29·929	59·6	57·1	64·7	54·3	81	1899	42	1890	22	4·90	152·7	34	
	Roche's Point	29·932	59·1	56·6	65·7	54·2	80	1880	44	1883	16	3·04	—	—	
	Parsonstown	29·917	57·4	55·2	65·9	51·6	82	1893, 99, 1900	35	1885, 87	18	3·87	139·5	31	
	Donaghadee	29·881	57·1	55·5	62·8	52·5	78	1899	38	1886	19	3·30	—	—	
	Liverpool	29·908	58·8	55·3	65·8	54·3	85	1876, 84, 93, 99	44	1885	17	2·98	—	—	
	Holyhead	29·909	58·6	56·5	64·0	54·8	83	1893	45	1888	16	3·02	—	—	
	Pembroke	29·922	58·9	56·8	63·3	55·8	78	1874, 99	47	1885, 88	16	2·91	193·8	43	
	Scilly	29·962	61·2	59·0	65·3	57·1	75	1893, 99	50	1885, 90, 95	17	2·49	—	—	
	Jersey	29·995	63·2	59·8	69·1	57·4	89	1893	45	1890	14	2·48	244·8	56	
	Portland Bill ‡	[30·042]	[62·2]	[60·0]	[68·5]	[55·7]	—	—	—	—	[11]	[1·57]	—	—	
	Dungeness	29·953	62·1	58·9	67·5	56·6	80	1887, 94	39	1890	13	1·81	—	—	
	Wick	29·814	55·5	53·5	61·4	48·6	85	1893	30	1886	18	2·61	—	—	
	Nairn	29·817	56·0	53·2	63·9	49·9	86	1899	33	1885, 91	18	2·88	—	—	
	Aberdeen	29·835	56·7	53·5	63·1	50·2	81	1880, 82, 99	33	1885	18	3·03	153·3	33	
	Leith	29·848	57·7	54·6	66·0	51·4	85	1893	37	1874	16	2·72	—	—	
	North Shields	29·871	57·3	54·7	64·0	51·8	83	1893	39	1892	16	2·83	—	—	
	Spurn Head	29·904	59·4	56·8	64·7	55·0	[87]*	[1893]	[46]*	[1887, 90, 1900]	15	1·87	—	—	
	Yarmouth	29·929	60·6	57·6	66·3	54·8	85	1893	42	1876, 85	14	2·26	—	—	
	Loughborough	29·935	59·1	56·2	70·4	52·0	[91]*	[1893]	[38]*	[1885, 87, 88]	14	2·46	—	—	
	Oxford	29·954	58·9	56·0	69·4	53·0	90	1876	39	1892	13	2·38	185·7	42	
	LONDON	29·961	61·0	57·4	71·9	53·7	96	1876	39	1887, 90	13	2·30	165·9†	37†	
SEPTEMBER.	Sumburgh Head	29·783	50·8	49·1	54·9	46·2	69	1898	34	1887, 88	20	3·48	—	—	
	Stornoway	29·806	51·5	50·2	56·7	45·7	72	1898	32	1871, 75, 85	21	4·17	107·4	28	
	Malin Head	29·864	53·7	51·4	58·5	51·1	[78]*	[1898]	[38]*	[1886]	[19]*	[3·11]*	—	—	
	Blacksod Point	29·905	55·3	52·9	59·8	51·6	[78]*	[1898]	[39]*	[1899]	[21]*	[3·99]*	—	—	
	Valencia	29·963	56·6	54·2	61·9	51·4	79	1898	35	1899	19	4·34	133·4	36	
	Roche's Point	29·966	55·8	53·7	61·9	51·3	74	1880	39	1893	14	3·62	—	—	
	Parsonstown	29·947	52·9	51·0	61·9	47·3	79	1889, 98	29	1899	17	2·92	129·2	35	
	Donaghadee	29·913	53·7	52·4	60·1	49·3	74	1898	36	1882, 94, 99	17	2·80	—	—	
	Liverpool	29·944	54·8	52·1	61·5	50·9	82	1880	39	1885	16	3·12	—	—	
	Holyhead	29·939	55·9	53·7	60·8	52·3	78	1880	43	1873, 85, 97	16	3·04	—	—	
	Pembroke	29·962	56·4	54·2	60·4	53·2	74	1895	40	1885	16	3·24	136·3	40	
	Scilly	29·983	58·8	56·6	62·4	54·9	73	1899	44	1885, 88	17	3·15	—	—	
	Jersey	30·008	60·4	57·2	66·0	55·0	86	1895	41	1891	15	3·04	184·9	50	
	Portland Bill ‡	[30·038]	[59·0]	[57·0]	[64·7]	[54·0]	—	—	—	—	[9]	[1·56]	—	—	
	Dungeness	29·981	58·0	55·5	64·0	53·0	78	1898, 99	32	1885	14	2·53	—	—	
	Wick	29·822	52·1	50·3	58·0	45·7	78	1898	29	1885, 87	19	2·70	—	—	
	Nairn	29·835	51·6	49·4	59·7	45·2	83	1898	25	1892	17	2·54	—	—	
	Aberdeen	29·856	52·5	49·9	59·4	46·6	81	1898	30	1887	17	2·87	124·0	33	
	Leith	29·880	53·5	50·9	62·1	47·5	83	1898	33	1886	15	2·19	—	—	
	North Shields	29·905	53·2	51·1	60·4	48·3	81	1898	34	1885, 89, 93	14	2·20	—	—	
	Spurn Head	29·941	55·7	53·8	60·9	52·4	[79]*	[1899]	[38]*	[1892]	14	1·80	—	—	
	Yarmouth	29·956	56·5	54·3	62·4	51·3	78	1880, 98	33	1885	15	2·57	—	—	
	Loughborough	29·970	53·5	51·7	65·5	47·5	[99]*	[1898]	[29]*	[1898]	14	2·44	—	—	
	Oxford	29·985	54·0	52·1	64·6	48·8	90	1898	33	1885	13	2·39	144·2	39	
	LONDON	29·991	55·8	53·4	66·8	49·7	91	1898	30	1877	13	2·21	116·0†	31†	

* These values are from observations made during the following periods:—Spurn Head and Loughborough, 20 years, 1881-1900; Malin Head and Blacksod Point (Belmullet), 15 years, 1886-1900.
† The Sunshine values are for Westminster.
‡ The values for Portland Bill are for two years only, 1899-1900.

10477—2000—12/1901 Wt 24561 D & S—23

DAILY WEATHER REPORT

for 8 a.m. on Tuesday, 1st July, 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Temp. Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.85	47	W	2	b	29.65	-.20	48	45	- 1	SSE	4	o	*	b	57	39	*	–
	Hernösand ...	29.81	46	S	4	bc	29.50	-.50	52	47	+ 1	N	4	c	*	bc	57	43	*	–
	Stockholm ...	29.83	57	S	2	b	29.58	-.48	64	59	+ 7	S	4	bc	*	b	68	48	*	–
	Wisby	29.90	59	S	6	b	29.69	-.36	60	55	+ 6	S	6	bc	*	b	70	45	*	–
	Karlstad... ...	29.73	66	SSW	4	b	29.54	-.50	62	57	+ 2	SW	2	o	*	b	*	*	*	–
	Færder (X'iania Fjord)	29.67	62	SW	4	b	29.58	-.41	58	55	- 7	SW	4	o	3	b	66	57	*	–
	Bodö	29.72	48	NNE	2	o	29.52	-.48	46	43	0	WNW	4	o	2	o	48	45	*	0.16
	Christiansund ...	29.73	49	W	5	r	29.77	-.14	48	45	- 5	NNW	3	r	3	r	54	45	*	0.63
	Skudesnaes ...	29.85	57	SW	2	o	29.77	-.25	51	48	- 4	NNW	4	c	2	o	57	50	*	*
BRITISH ISLANDS.	Sumburgh Head	29.88	50	NW	2	bc	29.94	+.07	47	45	- 3	NW	3	c	4	c,bc	52	43	*	0.02
	Stornoway ...	29.98	53	NE	3	o	30.07	+.05	49	46	- 11	NE	4	o	4	o	61	47	1.5	–
	Malin Head ...	29.95	60	W	4	bc	30.00	+.09	54	53	- 15	N	5	bc	4	c,bc	72	50	*	–
	Blacksod Pt. ...	29.98	64	W	3	b	30.05	+.06	55	54	- 8	N	4	r	3	b	67	54	*	–
	Valencia... ...	29.97	64	WNW	2	c	30.05	+.13	60	59	- 3	NW	1	bew	3	c	72	49	9.3	–
	Roche's Point ...	29.99	63	SE	3	b	30.01	+.05	64	61	+ 4	NNE	3	bc	2	b	65	53	*	–
	Parsonstown ...	29.96	70	W	1	b	30.01	+.01	60	58	- 3	NNW	2	o	*	b	71	53	8.9	–
	Donaghadee ...	29.95	69	WSW	2	bo	29.93	-.06	55	54	0	NW	3	o	3	bc	70	52	*	–
	Liverpool Obsy.	29.97	63	NNW	1	b	29.93	-.09	57	56	- 5	WNW	3	o	3	b	66	56	*	–
	Holyhead ...	29.98	60	NW	1	b	29.94	-.08	58	57	- 5	WNW	2	om	1	bc,b	66	54	*	–
	Pembroke (St. Ann's)	29.95	63	NNE	2	b	29.93	-.05	62	60	+ 3	NNE	4	bc	3	b	64	56	5.3	–
	Scilly (St. Mary's)...	29.95	62	E	3	r	29.99	+.10	60	58	+ 1	NW	3	o	0	r	66	57	1.1	0.03
	Jersey (St. Aubins)...	29.93	63	E	1	bc	30.01	+.01	58	55	- 4	SW	3	om	3	r,om,be	65	55	2.7	0.22
	Portland Bill ...	29.93	57	SW	2	r	29.93	-.08	57	57	- 1	WSW	1	c	2	c,rm	65	55	*	0.35
	Dungeness ...	29.93	62	E	4	b	29.94	-.10	62	61	- 3	W	3	b	1	bc,b	76	57	*	0.10
	Wick	29.94	52	NW	3	o	30.02	+.12	49	47	- 17	NNW	3	o	2	o	66	45	*	0.10
	Nairn	29.93	55	E	2	o	30.04	+.14	50	48	- 17	N	2	c	2	o	75	46	*	0.09
	Aberdeen ...	29.90	56	N	1	c	29.99	+.04	48	46	- 12	NW	3	cg	3	bc,c	69	47	9.4	0.05
	Leith	29.86	71	WSW	2	bc	29.99	+.01	52	49	- 3	ENE	3	o	*	bc,r	77	48	*	0.28
	North Shields ...	29.89	73	W	2	bc	29.97	-.04	50	50	- 10	NNE	2	p	2	o,bc,r	73	50	*	0.09
	Spurn Head ...	29.93	62	SE	3	bc	29.87	-.15	56	55	- 2	NW	4	f	2	bc	68	53	*	–
	Yarmouth ...	29.92	67	SE	2	b	29.84	-.19	65	61	+ 1	N	2	bc	2	b	67	60	*	0.01
	Loughborough ...	29.93	78	WSW	1	b	29.90	-.14	59	57	- 3	W	1	om	*	bc,omp	79	59	*	0.03
	Oxford	29.92	66	E	1	o	29.90	-.13	63	60	- 3	NW	2	o	*	b,or	77	59	*	0.06
	London (Brixton)	29.91	75	ESE	2	o	29.92	-.11	58	57	- 10	WSW	2	o	*	bc,bzr,c	84	56	10.1	0.15
GERMANY, &c.	The Scaw (Skagen)	29.83	61	W	3	c	29.65	-.37	60	58	- 3	W	4	o	1	c	73	59	*	–
	Fanö	29.94	58	WSW	2	c	29.78	-.28	61	59	0	WSW	6	o	*	c	64	52	*	–
	Cuxhaven ...	29.98	69	WNW	4	b	29.84	-.20	66	62	+ 1	SW	2	bc	*	b	70	59	*	–
	The Helder ...	30.00	69	NE	1	b	29.84	-.20	64	61	- 5	SSW	1	o	0	b	72	63	*	–
	Brussels... ...	*	*	*	*	*	29.93	-.13	66	61	- 6	WSW	3	bc	*	b	85	60	*	0.28
	Berlin	29.94	79	SE	2	c	29.79	-.25	76	69	+ 3	SW	1	c	*	c	86	68	*	–
	Frankfürt ...	29.91	76	E	2	c	29.89	-.18	70	64	- 5	SW	3	c	*	o	88	66	*	–
	Munich	30.02	74	W	5	r	30.04	-.06	73	65	+ 2	W	5	bc	*	r	82	59	*	0.04
FRANCE.	C. Gris Nez ...	29.95	65	ENE	2	b	29.96	-.10	59	58	?	SW	3	bc	3	b	68	57	*	0.12
	Brest	29.93	63	NW	1	c	30.04	+.14	55	55	- 4	Z	0	o	1	c	63	50	*	0.28
	Lorient	29.95	66	W	2	bc	30.01	+.07	61	60	+ 1	NE	1	o	2	bc	68	55	*	0.12
	Rochefort ...	29.95	68	NNW	3	c	29.98	+.03	64	63	+ 1	E	3	c	*	c	77	55	*	0.12
	Biarritz	29.97	71	E	2	b	30.00	+.04	70	64	+ 2	Z	0	c	1	b	72	61	*	0.16
	Paris	29.90	80	SSW	2	b	29.99	-.05	69	64	+ 3	SSW	2	b	*	b	85	59	*	–
	Belfort	29.91	76	Z	0	m	29.98	-.05	69	63	+ 2	WSW	2	m	*	m	85	?59	*	0.20
	Lyons	29.93	80	SSE	2	b	30.03	-.04	68	59	0	SE	2	b	*	b,z	84	58	*	–
	Nice	30.05	72	W	1	b	30.04	-.05	71	59	0	E	1	bc	0	b	82	61	*	–
	Perpignan ...	29.98	72	S	2	b	30.04	0	67	64	- 1	NE	2	o	*	b	73	61	*	–
SPAN. PEN.	Corunna ...																		*	
	Lisbon														*				*	
	Azores (P. Delgada)																		*	

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR TUESDAY 1st JULY, 1902

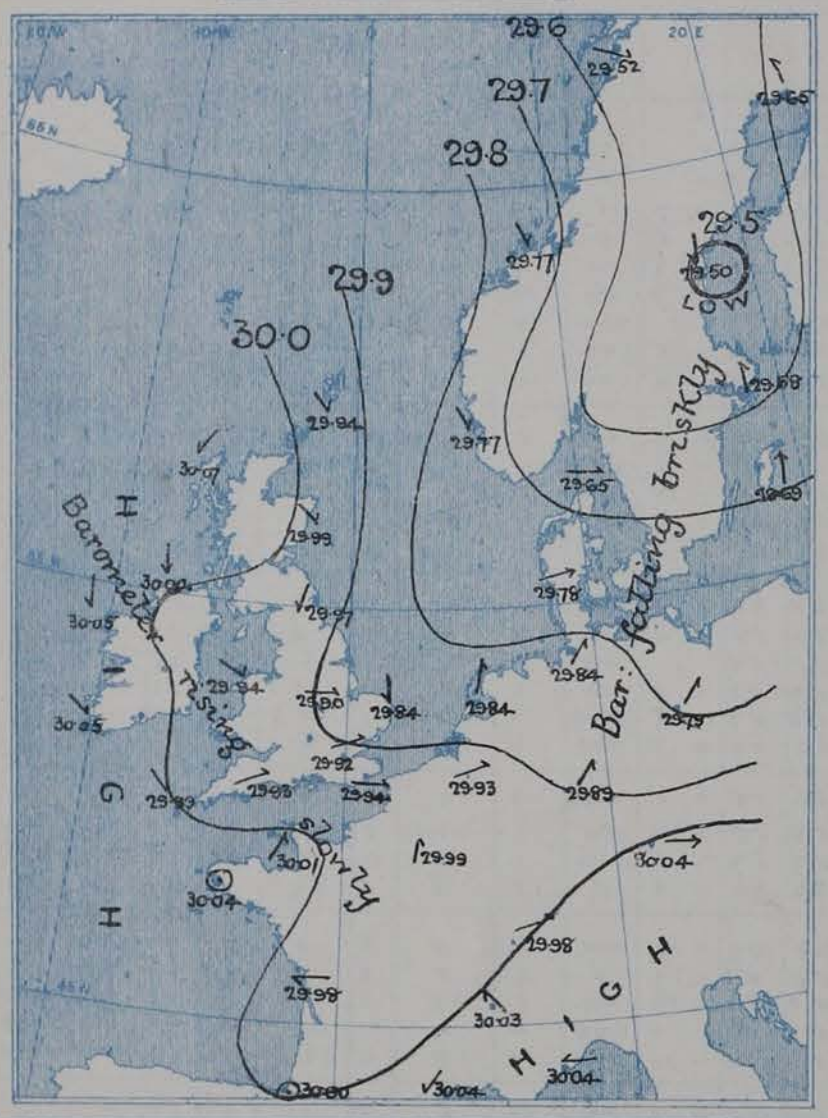
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

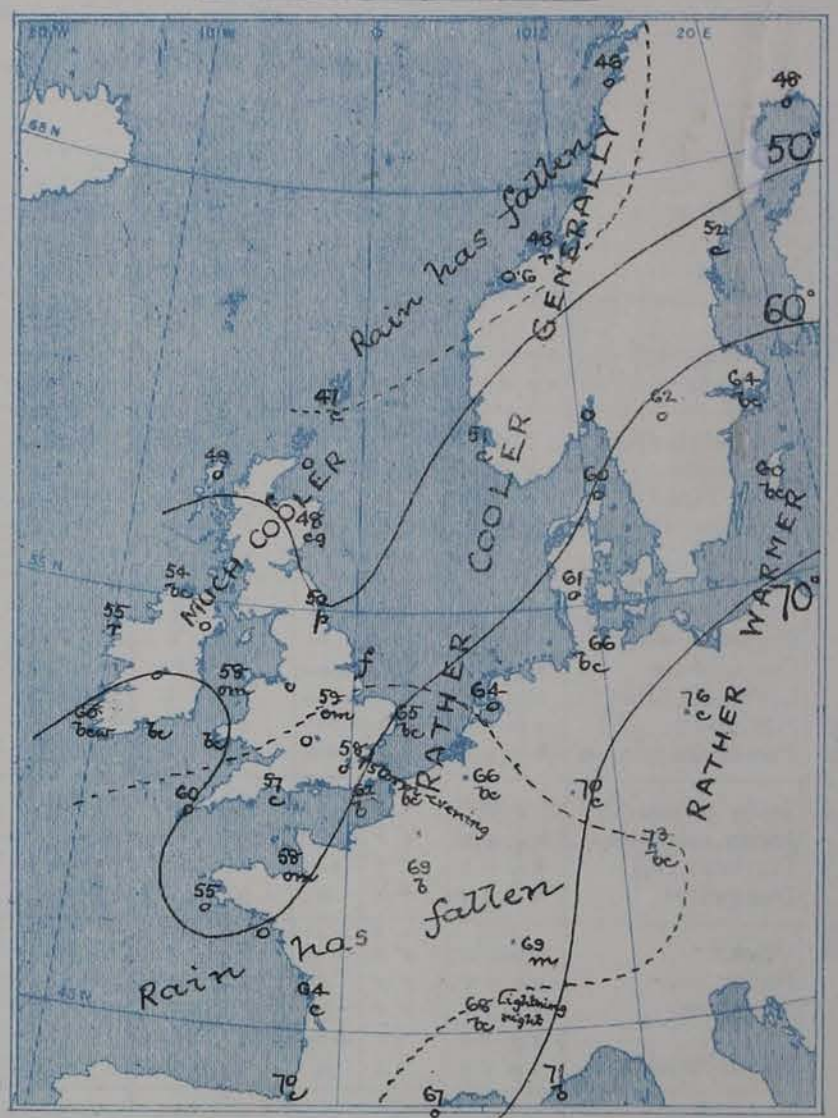


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



III BAROMETER AND WIND

Yesterday morning.

IV. *Means of Daily Recorded* BRIGHT SUNSHINE *(1881–1900), together with Means of Possible Duration for* JULY.

Specimen (for Stornaway) { *Average No. of Hours daily* 4·6 ; *Total Possible* 17·2 }

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JUNE–JULY (1871–1900.)

GENERAL SITUATION AT 8 A.M.

PRESSURE

Since yesterday the barometer has risen over the northern, western, and southwestern parts of the British Islands and their neighbourhood, while it has fallen over Scandinavia, Germany, and the eastern parts of England and France. Readings now vary from 30·07 ins. at Stornoway, 30·05 ins. at Valencia, and 30·04 ins. at Brest, to 29·52 ins. at Bodö, 29·50 ins. at Hernosand, and 29·79 ins. at Berlin.

WIND

The wind has shifted to the northwestward or northward, over nearly the whole of the United Kingdom, but continues Westerly or Southwesterly, over our south-eastern counties, and the north-east and east of France; it is Northerly in the west of Norway, Westerly in Denmark, Southwesterly in North Germany.

TEMPERATURE

Temperature has fallen abruptly throughout Great Britain and Norway. In our Islands it varies from 65° at Yarmouth, and 64° at Roche's Point, to 48° at Aberdeen, 47° at Sumburgh Head; the northern and northwestern stations are all below the average.

WEATHER AND SEA

The weather is in a cloudy unsettled condition everywhere, and showers are falling on our northeast coast. The sea is moderate in the northwest and north, very little disturbed elsewhere.

During yesterday a maximum temperature of 84° was recorded in London, our other districts were not nearly so warm. At Frankfurt, however, 88° was recorded, and at several other continental stations the maximum exceeded 80°. Thunderstorms occurred last evening in the southeast of England, and rain fell generally over the eastern, central, and southern parts of England, and the north of France. Bright sunshine varied from 10 to 11 hours at several southern stations, to less than 2 hours at Stornoway and Scilly.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Further showers are probable over England, after which the weather is likely to clear temporarily and become cool generally at night.

FORECASTS*

For the 24 hours ending at NOON on 2ND JULY, 1902

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	Varying N. winds; some showers then finer.	6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	Varying N. winds; finer, cooler. Not yet settled.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	Wind shifting to NW. or N, light or moderate; passing thundershowers. Cool at night.	WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	3c	*	3, c	72	59	13·5	0·10
Newton Reigny (Penrith)	29·93	69	WNW 2	3c	29·92	- ·10	53	51	- 8	NNE 2	0	*	0m, 3, 9m	72	52	5·3	-
Bath	29·90	72	NE 2	0	29·92	- ·10	61	58	- 5	NW 1	0	*	0	75	59	7·0	0·29

REPORTS FOR YESTERDAY.

STATIONS	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Harrogate, up to 6 p.m.	73	54	cm	3·6	-	Worthing	*	*	*	9·7	*
Birmingham, 9 p.m.	76	54	0	6·3	-	Llandudno	*	*	*	10·0	*
Lowestoft, up to 6 p.m. ...	69	57	c	15·0	-	Rhyl up to 6 p.m.	*	*	*	5·8	*
Hastings	*	*	*	10·7	*	Southport, 9 p.m.	69	55	3c	11·3	-
Eastbourne up to 6 p.m. ...	*	*	*	10·8	*	Manchester, 9 p.m. ...	80	57	3	9·5	-
Brighton	*	*	*	10·4	*	Darwen, 9 p.m.	72	55	cv	10·1	-

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 30. June-/02	Temperature, F. Max. °	Temperature, F. Min. °	Weather.		Rain. Ins.	STATIONS. 29. VI. 02	Temperature, F. at 1 p.m. °	Weather.	Rain. (measured at 7 a.m.) Ins.
						Information not yet rec^d			
Marseilles	81	55	b	b	-	Geneva			
Utrecht	88	52	o	b	-	Berne			
Copenhagen	73	57	b	b	-	Lucerne			
Prague	88	64	o	o	-	Lausanne			
Vienna	82	59	b	c	-	Lugano			
Buda-Pesth .. Not rec^d						Locarno			
St. Petersburg	63	50	o	b	-				
Rome	85	62	o	b	-				
Malta	75	70	?	b	-				
Madeira (Funchal)	73	57	b	o	-				

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* **AN ASTERISK** is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

1. July, 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	3.35	11.56	8.17
Greenwich	3.48	12.3	8.18
Wick	3.11	12.15	9.19
Valencia	4.26	12.44	9.2

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS. For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 2nd July, 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW. Secretary.

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday.	Wind. Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.37	46	N	4	0	29.50	-.15	52	50	+ 4	N	4	8c	*	0	52	45	*	0.44
	Hernösand ...	29.53	56	Z	0	8	29.60	+.10	52	46	0	N	4	8	*	8	64	45	*	—
	Stockholm ...	29.54	53	NNE	3	0	29.53	-.05	51	48	- 13	NNE	6	0	*	0	75	48	*	0.16
	Wisby	29.52	57	NE	2	c	29.47	-.22	52	50	- 8	Z	0	0	*	c	77	45	*	0.28
	Karlstad... ...	29.53	55	N	4	0	29.66	+.12	44	43	- 18	NNE	6	r	*	8rr	*	*	*	1.18
	Færder (X'iania Fjord)	29.58	56	NNE	6	0	29.71	+.13	51	44	- 7	N	8	8	3	0	64	51	*	—
	Bodö	29.58	44	NNW	4	c	29.70	+.18	44	40	- 2	WNW	4	c	2	c	48	40	*	—
	Christiansund ...	29.81	45	NW	4	r	29.93	+.16	46	42	- 2	N	4	c	4	r	48	42	*	0.20
	Skudesnaes ...	29.80	51	NNW	8	c	29.89	+.12	49	44	- 2	NW	8	c	2	c	55	44	*	*
BRITISH ISLANDS.	Sumburgh Head	30.02	48	N	4	c	30.11	+.17	49	45	+ 2	N	4	c	4	o,c	50	42	*	0.04
	Stornoway ...	30.16	51	N	3	0	30.22	+.15	49	46	0	NNE	2	0	2	0	55	44	3.3	—
	Malin Head ...	30.11	55	N	5	8	30.20	+.20	57	54	+ 3	N	1	8	1	8	57	47	*	—
	Blacksod Pt. ...	30.12	57	NNE	4	8	30.18	+.13	58	54	+ 3	ENE	2	8m	2	8	58	51	*	—
	Valencia... ...	30.11	60	WSW	2	0	30.19	+.14	58	57	- 2	SW	1	omd	3	c,o	64	56	9.0	0.02
	Roche's Point ...	30.05	69	N	3	8	30.22	+.21	57	54	- 7	SE	2	o	2	c,8	69	54	*	—
	Parsonstown ...	30.05	66	NW	1	8c	30.23	+.22	60	55	0	SE	2	8	*	8c	?66	44	4.5	—
	Donaghadee ...	30.07	57	NE	2	8	30.21	+.28	55	52	0	SW	1	8	1	8	58	45	*	—
	Liverpool Obsy.	30.04	51	ENE	3	0	30.26	+.33	54	48	- 3	ENE	1	8	9	op	59	47	*	0.07
	Holyhead ...	30.05	54	NE	3	om	30.23	+.29	55	51	- 3	S	1	8cm	1	o,m	61	47	*	—
	Pembroke (St. Ann's)	30.01	58	NNE	4	o	30.18	+.25	55	52	- 7	E	4	cmgw	3	o	66	52	3.0	—
	Scilly (St. Mary's)...	30.06	59	NW	3	o	30.17	+.18	59	58	- 1	NNE	3	cw	1	f,o	62	55	2.2	—
	Jersey (St. Aubins)...	30.02	60	WNW	4	8	30.14	+.13	60	59	+ 2	NE	3	ofd	3	c,8	61	56	5.7	0.01
	Portland Bill ...	29.97	61	NW	2	c	30.19	+.26	55	53	- 2	NE	3	c	2	c	62	52	*	0.01
	Dungeness ...	29.94	57	WNW	2	f	30.17	+.23	58	55	- 4	NE	4	8c	2	c,f,r	62	53	*	0.22
	Wick	30.09	47	NNW	2	o	30.19	+.17	51	46	+ 2	NNW	2	8	1	o	54	42	*	* —
	Nairn	30.10	55	N	1	c	30.22	+.18	54	50	+ 4	E	1	8c	1	c	55	46	*	—
	Aberdeen ...	30.08	51	NNW	2	c	30.21	+.22	49	44	+ 1	NW	2	c	2	c	53	45	0.6	0.01
	Leith	30.07	57	E	3	8c	30.22	+.23	57	50	+ 5	E	1	8	*	8c	64	47	*	—
	North Shields ...	30.07	52	NNE	3	c	30.22	+.25	52	48	+ 2	NNE	2	c	2	c	54	44	*	—
GERMANY, &c.	Spurn Head ...	30.02	53	N	5	c	30.17	+.30	54	54	- 2	NNW	5	8c	3	c	57	48	*	0.12
	Yarmouth ...	29.94	57	NNE	4	o	30.12	+.28	56	52	- 9	NNW	4	c	4	c,o	67	50	*	0.25
	Loughborough ...	30.02	52	NE	4	r	30.23	+.33	54	50	- 5	NW	3	8mw	*	r	68	43	*	0.18
	Oxford	30.03	55	NNE	2	r	30.24	+.34	52	48	- 11	NE	2	o	*	o,p	72	48	*	0.10
	London (Brixton)	29.96	60	E	3	o	30.21	+.29	58	54	0	NNE	2	o	*	o,8,r,h,or	73	50	1.6	0.84
	The Scaw (Skagen)	29.50	61	W	3	8	29.66	+.01	51	48	- 9	NE	4	c	1	8	64	50	*	0.08
	Fanö	29.77	55	NW	8	c	29.81	+.03	52	46	- 9	WSW	8	8c	*	c	64	48	*	0.20
	Cuxhaven ...	29.80	62	NNW	4	r	29.88	+.04	57	51	- 9	WNW	5	8c	*	r	70	55	*	0.04
	The Helder ...	29.88	59	NNE	3	r	30.04	+.20	56	52	- 8	N	4	8c	3	r	68	54	*	0.12
	Brussels... ...	*	*	*	*	*	30.08	+.15	58	52	- 8	NNW	3	8c	*	c	73	51	*	0.16
	Berlin	29.79	67	W	2	8	29.87	+.08	58	53	- 18	WNW	3	o	*	8	81	54	*	0.32
	Frankfürt ...	29.88	69	NNW	2	8c	29.91	+.02	65	59	- 5	W	2	c	*	8c	82	63	*	—
	Munich	29.99	68	Z	0	8c	30.00	-.04	57	57	- 16	W	4	o	*	8c	81	55	*	0.24
FRANCE.	C. Gris Nez ...	29.98	56	SW	4	f	30.12	+.16	55	52	- 4	NNE	5	o	5	f	63	52	*	0.16
	Brest	30.06	62	N	2	8	30.17	+.13	54	54	- 1	N	1	m	1	8	64	54	*	—
	Lorient	30.00	61	W	1	8c	30.14	+.13	59	59	- 2	N	2	o	2	8c	75	56	*	—
	Rochefort ...	29.97	74	NNW	3	8	30.06	+.08	61	?	- 3	E	3	8	*	8	?	?	*	—
	Biarritz	30.02	69	W	3	8	30.14	+.14	67	65	- 3	W	1	c	1	8	82	64	*	—
	Paris	29.97	75	W	2	8	30.07	+.08	59	58	- 10	NNE	2	o	*	8	80	59	*	0.08
	Belfort	29.89	75	WSW	4	c	29.97	-.01	63	59	- 6	WSW	3	c	*	c	79	59	*	—
	Lyons	29.96	72	N	1	o	30.03	0	66	61	- 2	W	1	8c	*	8rr	87	58	*	0.43
	Nice	30.01	69	SW	2	m	29.91	-.13	62	61	- 9	NE	2	f	*	m	79	59	*	—
	Perpignan ...	29.93	71	E	2	8	30.01	-.03	74	68	+ 7	NW	2	8	*	8	77	59	*	—
SPAN. PEN.	Corunna ...																		*	
	Lisbon														*				*	
	Azores (P. Delgada)																		*	

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page*

WEATHER CHARTS

FOR Wednesday 2nd July, 1902

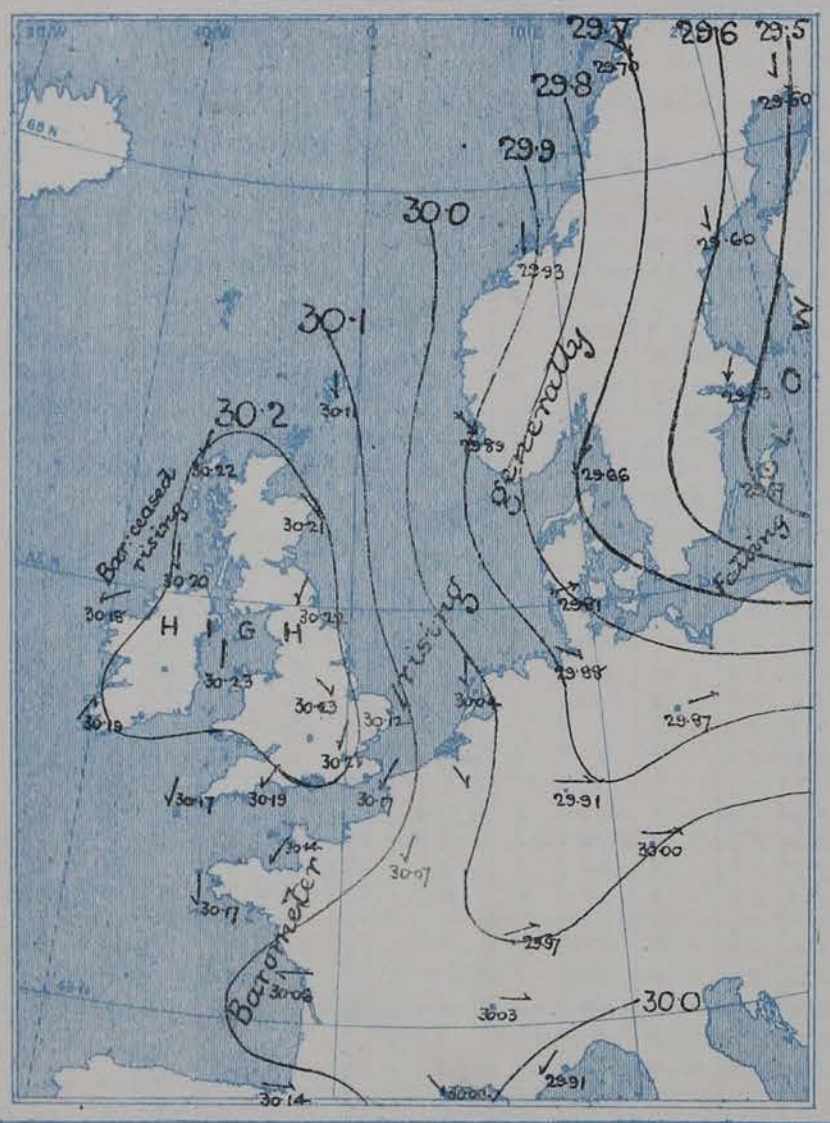
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

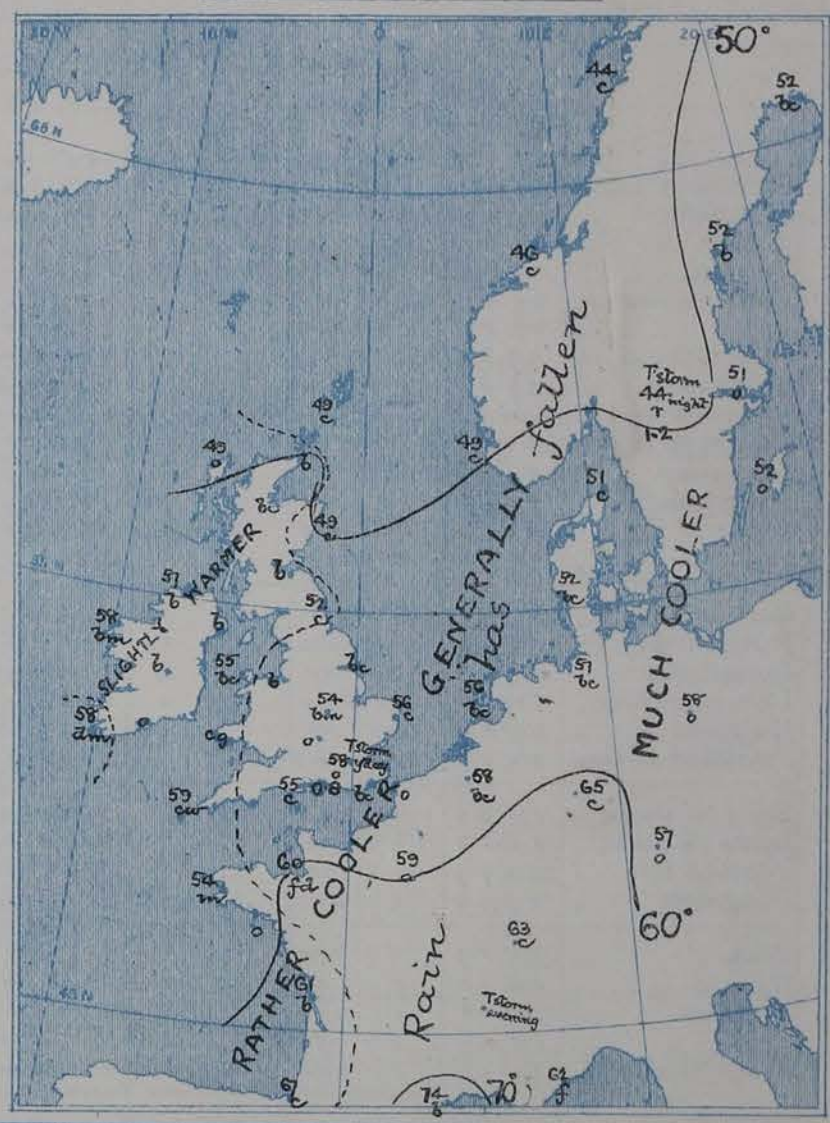


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

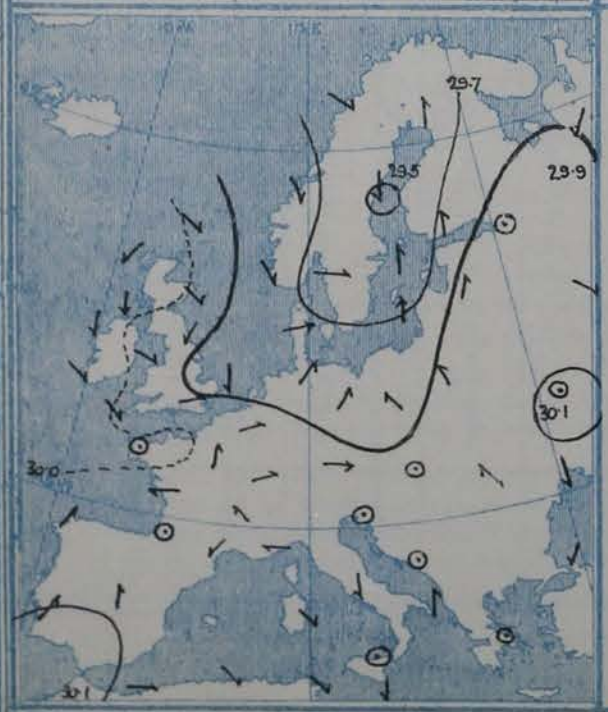
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



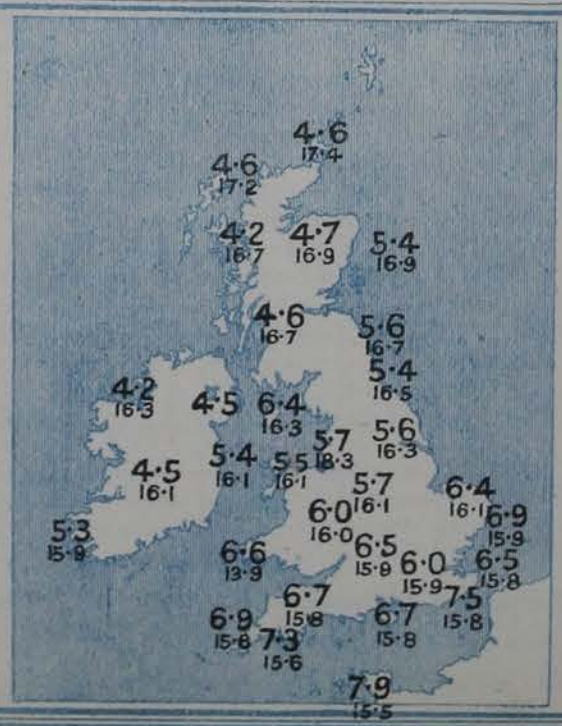
III. BAROMETER AND WIND

Yesterday morning.



IV. *Means of Daily Recorded* BRIGHT SUNSHINE *(1881–1900), together with Means of Possible Duration for* JULY.

Specimen (for Stornaway) { *Average No. of Hours daily* 4·6 ; *Total Possible* 17·2 }



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Two monthly period* JUNE–JULY *(1871–1900.)*

GENERAL SITUATION AT 8 A.M.

PRESSURE

Since yesterday the barometer has risen throughout our Islands and Scandinavia, fallen a little over the Baltic. An anticyclone has appeared immediately over the United Kingdom, and the readings vary from 30·26 ins. at Liverpool, to 29·66 at the Scaw, and 29·47 ins. at Wisby on the one hand, and to 30·18 ins. at Blackrod Point on the other.

WIND TEMPERATURE WEATHER AND SEA

Wind is Northerly to Westerly on the eastern shores of the North Sea, strong to a gale in force; in our Islands it is Northerly, moderate, at our eastern stations, and North-easterly in the south, but variable airs - some of them Southerly, are prevalent in Ireland. Temperature has fallen greatly on the Continent and slightly over England; in Scotland, however, it has risen a little and in Ireland the fall seems to have ceased. Readings this morning range from 60° at Parsonstown, and 58° at Valencia and Dungeness, to 49° at Aberdeen, Stornoway, and Sumburgh Head. Except over Ireland the values are below the average. The weather is fine over England as a whole, but cloudy in places. Slight rain is falling at Valencia. Over Germany and the south of Sweden it is dull, and at Karlstad rain is falling. Sea is little disturbed on our coasts, rough on the north coast of France.

During yesterday none of the maximum temperatures in our Islands exceeded 73°. Rain fell heavily in thunderstorms at Karlstad and in London. Bright sunshine was deficient except in the extreme west and south-east.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is likely to move eastwards or southeastwards, and warmer weather set in again over England. The condition is, however, not "settled" at present.

FORECASTS ※

For the 24 hours ending at NOON on 3rd JULY, 1902

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	The N. wind falling light and probably shifting to SW. or S. later; weather improving. Warmer.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as No. 0 to 5.
7 ENGLAND N.W.	Wind S. or SW., light; fair and warm at first, less fair later.
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

※ *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind	Weather.	Barometer Ins.	Barometer Change	Temperature Dry. °	Temperature Wet. °	Temperature Change	Wind.	Weather.	Sea	Weather	Temperature Max. °	Temperature Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	c	*	6, o	73	48	4.6	0.28
Newton Reigny (Penrith)	30.06	52	NNE 2	c	30.22	+.30	50	47	− 3	NE 1	c	*	o r m, c 6	55	38	2.3	0.18
Bath	29.95	64	N 1	o	30.23	+.31	52	48	− 9	NW 2	c	*	o	71	49	3.3	0.03

REPORTS FOR YESTERDAY.

STATIONS	Temperature Max.	Temperature Min.	Weather.	Sunshine Hrs.	Rainfall Ins.	STATIONS	Temperature Max.	Temperature Min.	Weather.	Sunshine Hrs	Rainfall Ins.
Harrogate, up to 6 p.m.	70	49	o	0.0	0.39	Worthing	*	*	*	2.5	*
Birmingham, 9 p.m.	69	57	o	0.2	0.20	Llandudno	*	*	*	0.6	*
Lowestoft, up to 6 p.m. ...	68	52	o r	5.2	0.04	Rhyl up to 6 p.m.	*	*	*	1.1	*
Hastings	*	*	*	2.6	*	Southport, 9 p.m.	61	49	o d	0.3	0.21
Eastbourne up to 6 p.m. ...	*	*	*	0.2	*	Manchester, 9 p.m. ...	70	51	o r	0.8	0.14
Brighton	*	*	*	0.1	*	Darwen, 9 p.m.	63	46	c v d	0.6	0.28

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 1. July.-/02	Temperature, F. Max. °	Temperature, F. Min. °	Weather.		Rain. Ins.	STATIONS. 30. June-/02	Temperature, F. at 1 p.m. °	Weather. 1 p.m.	Rain (measured at 7 a.m.) Ins.
Marseilles	82	57	b	b	—	Geneva	81	b	—
Utrecht	82	61	bc	o	0.35	Berne	81	o	—
Copenhagen	73	61	o	b	—	Lucerne	81	b	—
Prague	86	66	o	o	—	Lausanne	?	?	—
Vienna	82	64	b	b	—	Lugano	82	b	—
Buda-Pesth	88	64	b	b	—	Locarno	?	?	—
St. Petersburg	50	50	o	c	—				
Rome	86	61	b	b	—				
Malta	81	73	?	b	—				
Madeira (Funchal)	73	57	b	c	—				

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

2. July ... 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	3. 36	11. 57	8. 17
Greenwich	3. 49	12. 4	8. 18
Wick	3. 12	12. 16	9. 29
Valencia	4. 27	12. 45	9. 2

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 3rd July, 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Temp. Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.65	49	N	2	bc	29.75	+.25	50	44	− 2	W	2	bc	*	bc	61	45	*	–
	Hernösand ...	29.76	53	NW	6	bc	29.91	+.31	51	43	− 1	NW	4	b	*	bc	61	45	*	–
	Stockholm ...	29.76	52	N	2	b	29.93	+.40	51	45	0	NNW	8	bc	*	b	59	46	*	–
	Wisby	29.72	50	NNE	6	0	29.89	+.42	50	45	− 2	NNW	6	b	*	0	63	43	*	–
	Karlstad... ...	29.86	54	NW	2	b	30.04	+.38	50	43	+ 6	NE	2	b	*	b	*	*	*	0.04
	Færder (X'iania Fjord)	30.06	50	NNW	8	b	30.07	+.36	53	45	+ 2	ENE	1	b	1	b	59	51	*	–
	Bodö	29.78	44	WNW	4	0	29.76	+.06	45	44	+ 1	W	6	r	3	0	48	41	*	0.20
	Christiansund ...	30.07	46	WNW	4	r	30.08	+.15	50	45	+ 4	W	4	c	3	r	50	45	*	0.04
	Skudesnaes ...	30.06	50	NNW	8	b	30.12	+.23	51	46	+ 2	NNW	6	c	2	b	52	46	*	*
BRITISH ISLANDS.	Sumburgh Head	30.14	52	WNW	4	c	30.03	−.08	52	48	+ 3	S	3	0	4	b,c	54	44	*	–
	Stornoway ...	30.17	56	S	2	c	29.98	−.24	55	53	+ 6	SW	4	0	4	0	59	48	9.9	–
	Malin Head ...	30.18	56	E	2	bc	30.08	−.12	56	56	− 1	S	4	r	2	bc	61	52	*	0.09
	Blacksod Pt. ...	30.16	61	SW	4	bcm	30.07	−.11	58	56	0	SSW	5	omp	3	bcm	67	55	*	0.10
	Valencia... ...	30.23	60	S	2	0	30.15	−.04	59	57	+ 1	SSE	2	0	3	0	63	55	0.1	0.03
	Roche's Point ...	30.24	60	SSW	1	0	30.19	−.03	60	57	+ 3	SW	2	0	2	om	60	56	*	–
	Parsonstown ...	30.20	64	SW	1	0	30.15	−.08	60	57	0	SW	1	0	*	b0,0	71	55	9.5	–
	Donaghadee ...	30.21	61	SW	2	bc	30.14	−.07	59	57	+ 4	W	2	0	2	bc	65	53	*	–
	Liverpool Obsy.	30.26	60	NNW	1	0	30.23	−.03	60	55	+ 6	Z	0	c	1	0	64	51	*	–
	Holyhead ...	30.26	57	NE	1	c	30.21	−.02	55	55	0	SSW	2	fd	1	b0,c	63	51	*	0.04
	Pembroke (St. Ann's)	30.24	58	S	2	b	30.23	+.05	57	54	+ 2	SSW	4	og	4	b	59	53	8.6	0.04
	Scilly (St. Mary's)...	30.26	60	S	2	bc	30.25	+.08	60	58	+ 1	SSE	3	bc	1	c,bc	66	56	12.3	–
	Jersey (St. Aubins)...	30.27	61	NE	4	c	30.30	+.16	59	54	− 1	E	3	cm	3	of,c	63	52	4.7	–
	Portland Bill ...	30.28	59	WSW	1	b	30.31	+.12	58	55	+ 3	ESE	2	bc	2	b	61	51	*	–
	Dungeness ...	30.30	58	ESE	2	og	30.34	+.17	58	53	0	W	1	b	0	bc,og	61	54	*	–
	Wick	30.18	55	S	1	b	30.02	−.17	59	56	+ 8	S	1	bc	1	b	59	49	*	–
	Nairn	30.15	60	E	2	c	30.03	−.19	61	56	+ 7	W	1	c	1	c	61	42	*	–
	Aberdeen ...	30.22	52	SSE	2	b	30.08	−.13	62	56	+ 13	SSW	1	c	1	b	62	48	10.7	–
	Leith	30.20	59	E	1	0	30.12	−.10	61	55	+ 4	SSW	1	0	*	0	62	51	*	–
	North Shields ...	30.26	53	NE	2	bc	30.17	−.05	59	55	+ 7	SW	2	0	2	bc	59	48	*	–
GERMANY, &c.	Spurn Head ...	30.27	55	NNW	3	bc	30.25	+.08	57	54	+ 3	SW	3	bc	3	bc	59	50	*	–
	Yarmouth ...	30.24	58	NNW	3	bc	30.28	+.16	55	50	− 1	SW	2	b	3	bc	59	46	*	–
	Loughborough ...	30.28	61	ESE	2	c	30.27	+.04	60	54	+ 6	SW	2	cw	*	c	62	49	*	–
	Oxford	30.30	56	ENE	1	bc	30.30	+.06	58	53	+ 6	S	2	b	*	bc	63	50	*	–
	London (Brixton)	30.27	59	NE	2	c	30.31	+.10	58	55	0	SW	1	b	*	0,bc,b	62	46	1.0	–
	The Scaw (Skagen)	29.91	57	NW	1	b	30.04	+.38	57	52	+ 6	SE	2	bc	0	b	61	50	*	–
	Fanö	30.07	51	NW	6	c	30.16	+.35	54	50	+ 2	WNW	4	c	*	c	59	48	*	–
	Cuxhaven ...	30.03	57	NW	6	c	30.20	+.32	56	51	− 1	WNW	4	0	*	c	59	54	*	0.20
	The Helder ...	30.24	57	N	3	c	30.28	+.24	55	52	− 1	NW	2	0	2	c	59	52	*	–
	Brussels... ...	*	*	*	*	*	30.34	+.26	56	51	− 2	ENE	1	c	*	c	64	43	*	–
	Berlin	29.94	57	WNW	5	bc	30.15	+.28	54	50	− 4	NW	4	b	*	bc	66	48	*	0.04
	Frankfürt ...	30.18	58	NW	2	b	30.30	+.39	54	47	− 11	NNW	2	c	*	b	68	48	*	–
	Munich	30.15	55	W	3	c	30.30	+.30	54	50	− 3	W	2	bc	*	c	66	50	*	0.35
FRANCE.	C. Gris Nez ...	30.29	55	NE	3	b	30.34	+.22	58	55	+ 3	SW	1	bc	1	b	63	48	*	–
	Brest	30.25	63	NE	2	c	30.32	+.05	52	50	− 2	NE	1	bc	1	c	68	50	*	–
	Lorient	30.19	68	NE	3	b	30.25	+.11	59	58	0	E	2	bc	2	b	75	55	*	–
	Rochefort ...	30.10	70	NW	4	bc	30.19	+.13	64	61	+ 3	E	3	b	*	bc	86	59	*	–
	Biarritz	30.19	69	W	3	c	30.23	+.09	65	64	− 2	WSW	3	0	1	c	72	63	*	–
	Paris	30.22	64	NNE	3	bc	30.32	+.25	53	50	− 6	ENE	1	b	*	bc	67	46	*	–
	Belfort	30.08	64	E	3	c	30.23	+.26	55	50	− 8	ENE	3	m	*	c	75	48	*	–
	Lyons	30.15	63	NW	1	c	30.25	+.22	58	51	− 8	N	2	b	*	c	76	55	*	0.32
	Nice	29.87	68	E	1	b	29.99	+.08	74	66	+ 12	E	1	r	1	b	79	59	*	–
	Perpignan ...	30.03	80	W	3	0	30.11	+.10	75	67	+ 1	W	2	b	*	0	87	66	*	–
SPAN. PEN.	Corunna ...																		*	
	Lisbon	30.05	66	NNW	5	0	30.01	−.05	65	61	+ 2	SW	4	c	*	0	72	61	*	0.43
	Azores (P. Delgada)																		*	

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR Thursday 3rd July, 1902

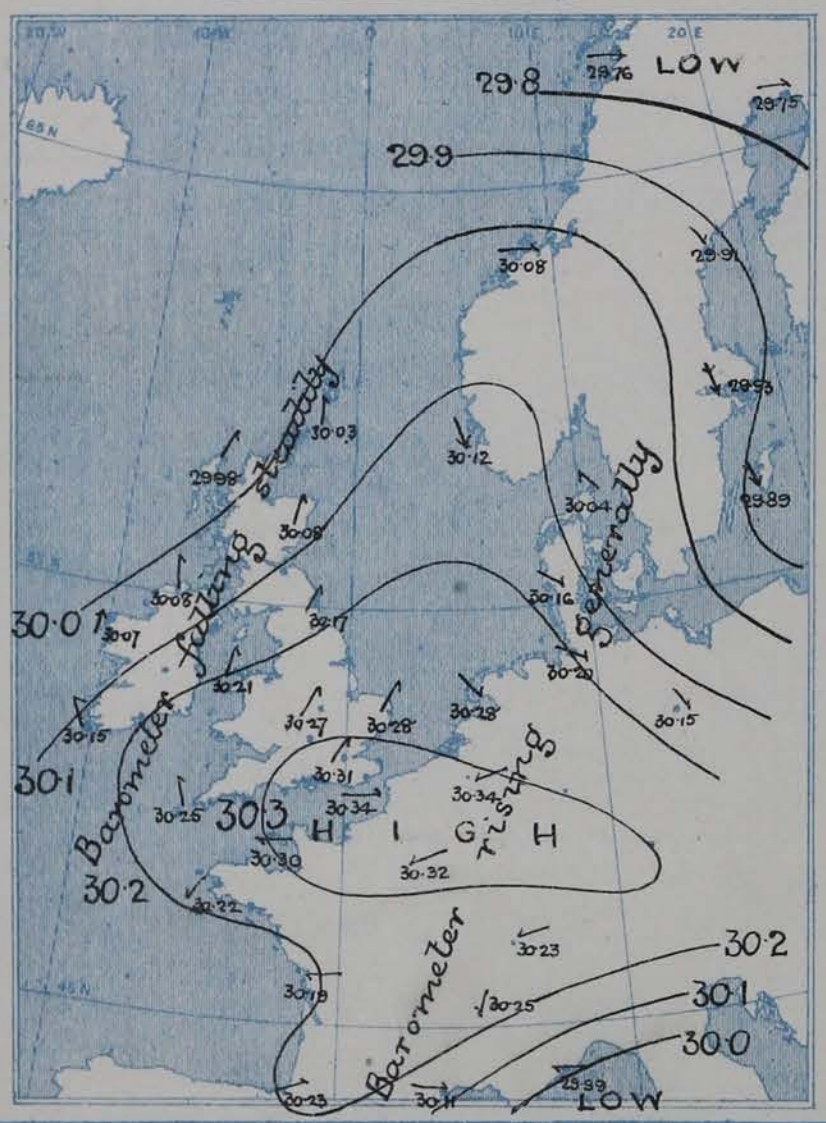
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 : *Force 5 to 7* : } Calm⊙
Force 8 to 10 : *Force 1 to 4* :

SEA.—Rough : *High*

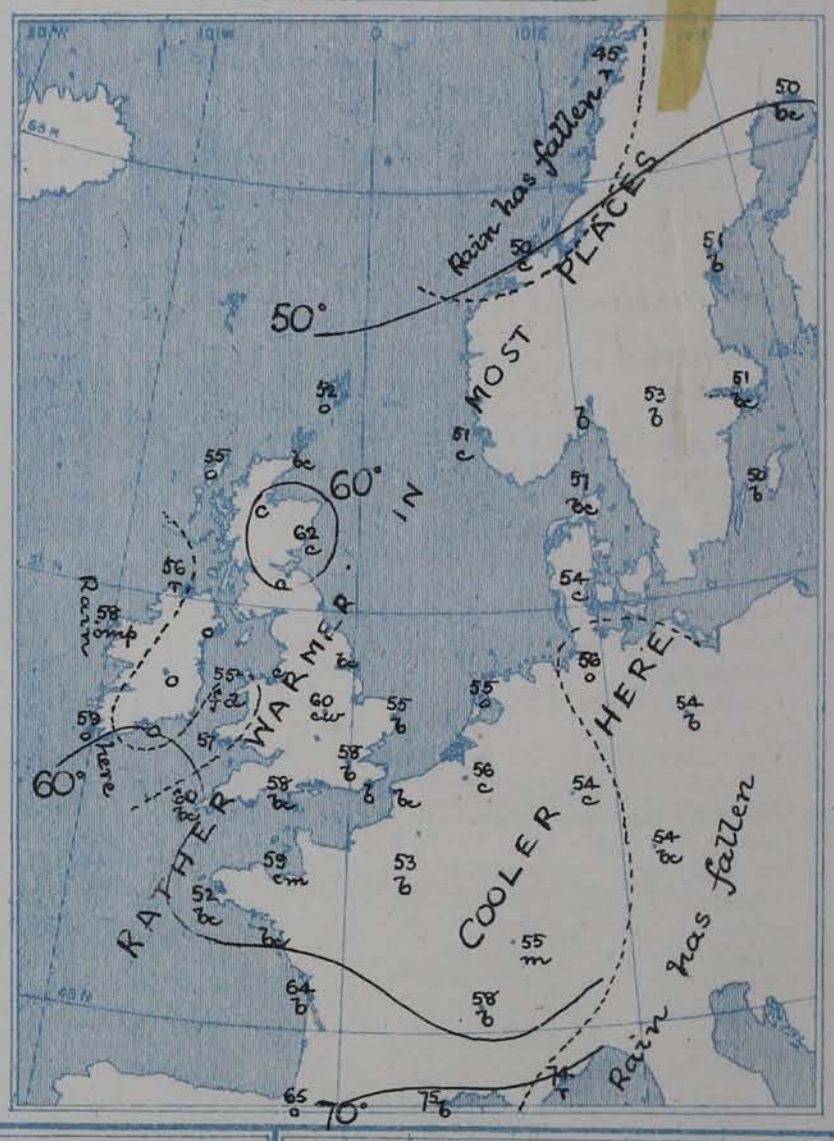


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. [illegible])

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

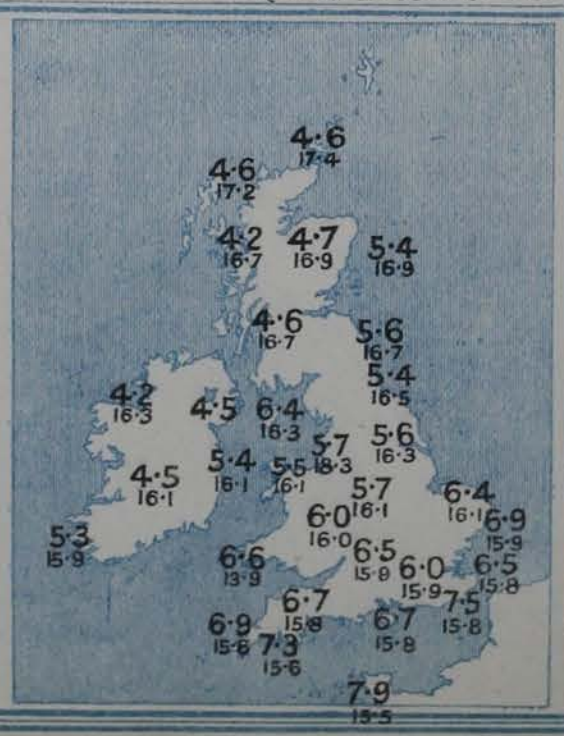


III. BAROMETER AND WIND

Yesterday morning.

IV. *Means of Daily Recorded* BRIGHT SUNSHINE *(1881–1900), together with Means of Possible Duration for* JULY.

Specimen (for Stornaway) { *Average No. of Hours daily* 4·6 ; *Total Possible* 17·2 }



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Two monthly period* JUNE–JULY *(1871–1900.)*

GENERAL SITUATION AT 8 A.M.

PRESSURE

The anticyclone which covered our Islands yesterday has moved south eastwards to Belgium and the neighbouring regions, increasing in intensity during its progress, so that the readings now range from 30·34 ins. at Brussels and Dungeness, to 29·98 ins. at Stornoway, and 29·75 ins. at Haparanda.

WIND TEMPERATURE WEATHER AND SEA

The wind has become Southwesterly or Southerly all over the Kingdom, and is moderate to fresh in force on our northwestern coasts, light in the east and south. Over Scandinavia it is still fresh to a gale from northwest, and over the greater part of France light from northeast and east. Temperature has risen over Great Britain and Norway. In our Islands it ranges from 62° at Scilly and Aberdeen, and 60° at Parsonstown, to 55° at Malin Head and Stornoway, and 52° at Sumburgh Head; at Stockholm it is 51°; the values are high in the east of Scotland, elsewhere they differ but little from the average. The weather is fine over England, dull in Ireland and the west of Scotland, rainy at Malin Head and Blacksod Point. Sea - moderate in the north, slight or smooth elsewhere.

Since yesterday morning a maximum of 71° has been recorded at Parsonstown; at all our other stations it was below 70°, and in several eastern stations did not reach 60°. Bright sunshine was considerable in the west and north, slight in the southeast. Some rain fell generally in the west and northwest, sporadically over Sweden, Germany, and south of France. A solar halo was seen at Oxford last evening.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone will continue to move southeastwards, the southwesterly wind fresher, and rain become more general in the west and north of England. The rain is not likely to reach the eastern half of England today.

FORECASTS*

For the 24 hours ending at NOON on July 4th 1902

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S^ly and SW^ly winds fresh; cloudy, rain occasionally.
1 SCOTLAND EAST	SW^ly winds light; fine, warm today, showers tomorrow.
2 ENGLAND N.E.	
3 ENGLAND EAST	SW^ly winds light; fine, warm, not settled.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	S^ly and SW^ly breezes, moderate to fresh; some showers.
7 ENGLAND N.W.	
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	- None issued -

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea.	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	bc	*	c, o	62	40	2·2	–
Newton Reigny (Penrith)	30·22	60	SSW 1	o	30·18	–·04	54	52	+ 4	SE 1	ogm	*	om, cg	61	42	5·3	–
Bath	30·26	63	W 1	bc	30·29	+·06	57	53	+ 5	SW 1	o	*	bc	64	40	10·5	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather	Sunshine. Hrs.	Rainfall. Ins.	STATIONS	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs	Rainfall. Ins.
Harrogate, up to 6 p.m.	60	50	c	7·1	–	Worthing	*	*	*	5·3	*
Birmingham, 9 p.m.	62	44	o	7·5	–	Llandudno	*	*	*	10·5	*
Lowestoft, up to 6 p.m. ...	57	49	b	6·7	0·10	Rhyl up to 6 p.m.	*	*	*	9·5	*
Hastings	*	*	*	6·0	*	Southport, 9 p.m.	63	40	bc, b	9·7	–
Eastbourne up to 6 p.m. ...	*	*	*	6·0	*	Manchester, 9 p.m. ...	63	40	cm	0·5	–
Brighton	*	*	*	6·0	*	Darwen, 9 p.m.	61	38	cv	4·2	–

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 2. VII. 02	Temperature, F. Max. °	Temperature, F. Min. °	Weather.		Rain. Ins.	STATIONS. 1. VII. 02	Temperature, F. at 1 p.m. °	Weather. 1 p.m.	Rain. (measured at 7 a.m.) Ins.
Marseilles	79	59	b	b	–	Geneva	81	bc	–
Utrecht	70	52	r	c	0·83	Berne	79	b	0·04
Copenhagen	72	54	c	o	0·04	Lucerne	79	bc	–
Prague	82	63	c	r	0·35	Lausanne	?	?	–
Vienna	88	64	o	o	1·14	Lugano	84	b	–
Buda-Pesth ... not rec^d ...						Locarno	?	?	–
St. Petersburg	70	45	b	o	–				
Rome	86	63	b	b	–				
Malta	91	82	?	bc	–				
Madeira (Funchal)	72	59	b	bc	–				

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

3. VII. 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	3.37	11.57	8.17
Greenwich	3.50	12.4	8.18
Wick	3.14	12.16	9.18
Valencia	4.28	12.45	9.2

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Friday, 4th July, 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp Max.	Temp Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.75	50	W	2	b	29.85	+.10	52	50	+ 2	SW	2	c	*	b	55	45	*	0.04
	Hernösand ...	29.96	57	Z	0	b	29.97	+.06	54	48	+ 3	S	4	bc	*	b	64	43	*	–
	Stockholm ...	30.01	51	W	2	b	30.04	+.11	58	54	+ 7	Z	0	o	*	b	66	45	*	–
	Wisby	30.05	51	W	6	b	30.09	+.20	55	49	+ 5	W	2	b	*	b	59	39	*	–
	Karlstad... ...	30.04	57	WSW	2	bc	30.02	−.02	56	53	+ 6	SW	4	c	*	bc	*	*	*	–
	Færder (X'iania Fjord)	30.03	57	SSW	2	o	29.97	−.10	60	58	+ 7	SSW	2	m	2	o	60	53	*	–
	Bodö	29.83	45	SW	6	r	29.71	−.05	47	45	+ 2	E	4	r	2	r	48	43	*	0.28
	Christiansund ...	29.97	52	NW	2	c	29.78	−.30	57	50	+ 7	Z	0	o	3	c	57	50	*	–
	Skudesnaes ...	30.09	52	Z	0	c	29.95	−.17	52	51	+ 1	S	6	f	3	c	54	50	*	*
BRITISH ISLANDS.	Sumburgh Head	29.91	54	S	1	o	†29.80	−.23	51	50	− 1	N	3	o	4	c,o	59	50	*	0.42
	Stornoway ...	29.89	56	SW	4	r	29.91	−.07	52	51	− 3	NW	3	c	3	dm,r	61	51	0.4	0.22
	Malin Head ...	29.96	58	S	5	omp	29.91	−.17	56	56	0	WNW	4	rf	4	o,mp	59	54	*	0.05
	Blacksod Pt. ...	29.95	58	SSW	6	rm	29.96	−.11	58	57	0	WSW	1	rm	2	opm,rm	58	56	*	0.42
	Valencia... ...	30.06	58	SSE	4	omd	30.05	−.10	60	60	+ 1	SSW	2	omd	4	og,omd	61	57	0.0	0.99
	Roche's Point ...	30.12	60	SW	4	c	30.06	−.13	60	59	0	SW	4	ogm	4	c	61	57	*	0.20
	Parsonstown ...	30.07	60	SE	2	r	30.00	−.15	61	59	+ 1	SW	3	o	*	bc,op	63	57	0.0	0.21
	Donaghadee ...	30.05	60	WSW	2	c	29.94	−.20	60	59	+ 1	WSW	3	cg	2	c	64	56	*	0.35
	Liverpool Obsy.	30.15	60	WSW	3	o	30.04	−.19	60	57	0	SW	3	o	3	op	65	55	*	0.05
	Holyhead ...	30.13	56	SW	5	of	30.04	−.17	55	55	0	SW	4	fd	3	of,o	58	54	*	0.22
	Pembroke (St. Ann's)	30.15	56	SW	4	c	30.10	−.13	56	55	− 1	SW	4	ompd	4	o	58	54	0.2	0.04
	Scilly (St. Mary's)...	30.21	61	SSE	1	bc	30.15	−.10	60	58	0	SW	4	c	2	bcf,bc	64	57	4.2	0.01
	Jersey (St. Aubins)...	30.21	65	ESE	2	cm	30.20	−.10	64	59	+ 5	SE	1	bcm	1	bcm	67	55	12.6	–
	Portland Bill ...	30.22	56	ESE	2	b	30.19	−.12	57	56	− 1	WNW	1	bc	1	bc,b	60	52	*	–
	Dungeness ...	30.35	60	W	1	c	30.25	−.09	59	56	+ 1	NW	2	bc	1	b,c	62	48	*	–
	Wick	29.91	60	ENE	2	c	29.83	−.19	55	53	− 4	Z	4	o	2	b,c	67	52	*	0.10
	Nairn	29.93	62	W	1	o	29.82	−.21	60	58	− 1	W	1	o	1	o	66	56	*	0.02
	Aberdeen ...	29.96	63	SW	2	bc	29.83	−.25	61	59	− 1	SW	2	o	1	o,bc,r	69	54	2.1	0.09
	Leith	30.01	62	SW	1	o	29.87	−.25	63	59	+ 2	WSW	3	o	*	o	64	57	*	0.10
	North Shields ...	30.09	62	SSW	2	o	29.95	−.22	61	58	+ 2	SW	3	o	2	om,r	66	56	*	0.10
GERMANY, &c.	Spurn Head ...	30.12	65	SW	3	o	30.03	−.22	61	57	+ 4	SW	4	g	2	o	68	57	*	–
	Yarmouth ...	30.19	61	SSW	3	bc	30.13	−.15	60	54	+ 5	WSW	3	bc	2	b,bo	61	53	*	–
	Loughborough ...	30.18	63	SSW	3	o	30.11	−.16	61	57	+ 1	WSW	3	c	*	com,c	66	56	*	–
	Oxford	30.20	60	S	2	b	30.16	−.14	62	57	+ 4	SW	2	b	*	b	66	52	*	–
	London (Brixton)	30.23	64	SW	3	bo	30.17	−.14	59	54	+ 1	SW	1	bo	*	c,bo	69	49	7.0	–
	The Scaw (Skagen)	30.06	57	W	3	o	30.04	0	59	56	+ 2	W	4	m	1	o	66	50	*	–
	Fanö	30.19	54	WSW	4	c	30.15	−.01	58	55	+ 4	SW	4	c	*	c	59	54	*	–
	Cuxhaven ...	30.25	58	W	4	o	30.21	+.01	58	54	+ 2	SW	2	o	*	o	59	54	*	–
	The Helder ...	30.28	57	SW	1	o	30.18	−.10	61	54	+ 6	SW	2	bc	0	o	63	48	*	–
	Brussels... ...	*	*	*	*	*	30.21	−.13	64	57	+ 8	SW	1	c	*	f	64	49	*	–
	Berlin	30.22	62	WNW	3	b	30.26	+.11	59	55	+ 5	W	1	o	*	b	70	54	*	–
	Frankfürt ...	30.28	58	E	1	b	30.25	−.05	56	50	+ 2	E	2	c	*	b	64	52	*	–
	Munich	30.32	56	NE	2	b	30.30	0	58	55	+ 4	E	2	c	*	b	64	45	*	–
FRANCE.	C. Gris Nez ...	30.27	58	N	1	b	30.21	−.13	59	57	+ 1	SW	3	bo	2	b	66	52	*	–
	Brest	30.21	61	NNW	1	m	30.21	−.01	54	50	+ 2	NE	1	b	1	m	68	50	*	–
	Lorient	30.21	73	WNW	1	bc	30.20	−.05	63	63	+ 4	Z	0	m	2	bc	75	57	*	–
	Rochefort ...	30.14	80	NE	1	b	30.17	−.02	65	61	+ 1	E	2	b	*	b	88	59	*	–
	Biarritz	30.16	72	NNW	1	b	30.18	−.05	67	66	+ 2	NE	1	m	0	b	73	64	*	–
	Paris	30.23	68	ENE	2	b	30.24	−.08	61	56	+ 8	SW	1	b	*	b	70	49	*	–
	Belfort	30.16	66	ENE	5	m	30.21	−.02	58	51	+ 3	Z	0	m	*	m	73	49	*	–
	Lyons	30.17	71	NW	1	b	30.24	−.01	64	55	+ 6	E	1	b	*	b	74	54	*	–
	Nice	30.06	74	WSW	2	b	30.16	+.17	71	59	− 3	E	3	b	1	b	82	?64	*	–
	Perpignan ...	30.08	80	SE	2	b	30.19	+.08	73	67	− 2	SE	2	b	*	b	89	59	*	–
SPAN. PEN.	Corunna ...																		*	
	Lisbon	30.06	66	NW	3	o	30.04	+.03	65	62	o	NNE	4	o	*	o	75	63	*	0.87
	Azores (P. Delgada)	30.35	68	W	3	bc	30.32	−.05	70	67	+ 1	Z	0	c	2	bo	75	68	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page*

WEATHER CHARTS

FOR Friday 4th July, 1902

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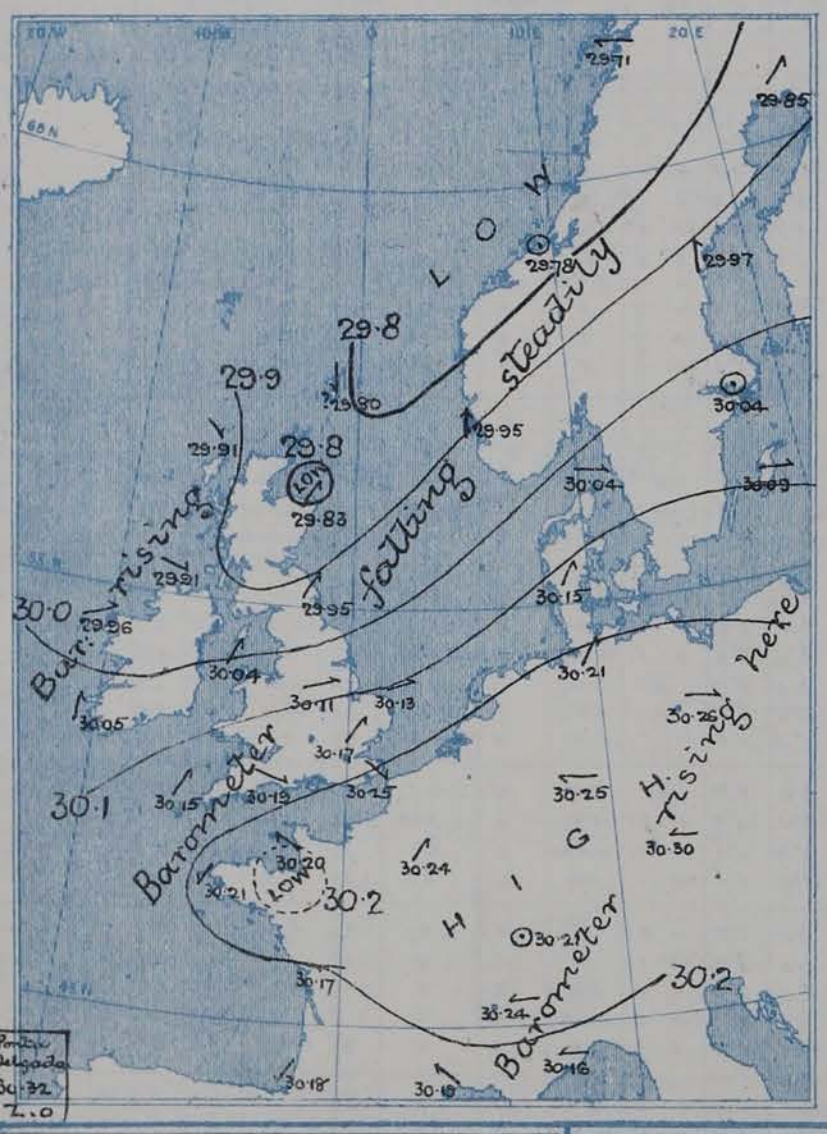
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ➤⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ➤⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough ▒ : *High* ▓



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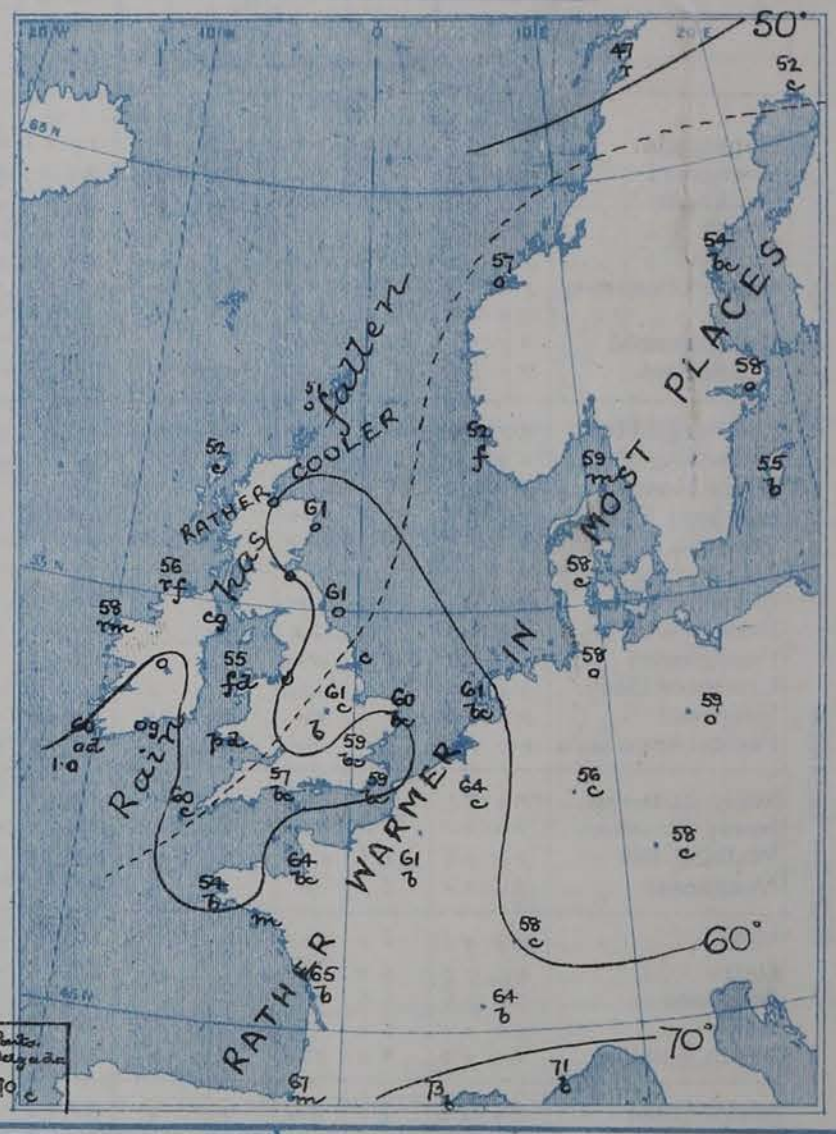

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Yesterday morning.

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Specimen (for Stornaway) { *Average No. of Hours daily* 4·6 ; *Total Possible* 17·2 }

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JUNE–JULY (1871–1900.)

GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer is now highest over Germany and the north of France, lowest in the Hebrides and Finmark, the individual readings ranging from 30·30 ins. at Munich, and 30·24 ins. at Paris, to 29·80 ins. at Sumburgh Head, and 29·71 ins. at Bodö. The depression noticed yesterday has moved northeastwards, and a "V" has been developed in its rear over Scotland and the west of Ireland. A very shallow secondary lies over Brittany.

WIND

TEMPERATURE

WEATHER AND SEA

The wind remains southwesterly over the greater part of Ireland and England, but has shifted quickly to north in the north of Scotland, and northwest in the northwest of Ireland. It is very light and variable over Brittany, Southeasterly to Easterly in Norway. Temperature has risen on the Continent, not changed materially in our Islands, where the values range from 62° at Oxford, and 60° at several of our southwestern and English stations, to 56° at Malin Head, 52° at Stornoway, and 51° at Sumburgh Head. The values are a trifle above the average. Over Germany it is still below 60°. The weather is still fine and bright over the east and southeast of England, dull over our western and northern districts, with rain in several places. Sea is moderate in the west and north, smooth elsewhere.

During yesterday the temperature rose to 69° at Aberdeen and in London, 68° at Spurn Head, 67° at Jersey; at Rochefort it reached 88° and at Nice 82°. Rain has fallen generally in the west and north, - heavily at Valencia - but there was none in the east and south. Bright sunshine was abundant in the south, very deficient in the north and west.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the "V" shaped depression in the west moves northeastwards, some rain will fall generally and perhaps a little thunder will occur in England. The weath will probably then be cooler temporarily, and subsequently become clearer.

FORECASTS*

For the 24 hours ending at NOON on July 5th 1902

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Wind varying between SW. and NW; occasional rain, then finer, cooler.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	SW'ly winds, light; fine and warm at first, then temporarily NW'ly, cooler, some rain.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	NW'ly winds, occasional rain, cooler, unsettled.
7 ENGLAND N.W.	
8 ENGLAND S.W.	SW'ly to NW'ly winds, moderate; showery, changeable.
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	- None Issued. -

Note.—The **South Cone,** *point downwards* (▽), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* (△), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea.	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	8c	*	8,0	62	52	11·5	—
Newton Reigny (Penrith)	30·09	57	SW 2	0	29·98	−·20	57	56	+ 3	SW 1	0	*	ogmr	61	54	0·0	0·10
Bath	30·20	53	S 1	8	30·16	−·13	52	56	+ 5	SW 1	c	*	8	65	51	5·2	—

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs	Rainfall. Ins.
Harrogate, up to 6 p.m.	65	44	8c	1·3	—	Worthing	*	*	*	11·2	*
Birmingham, 9 p.m.	64	48	o	1·4	—	Llandudno	*	*	*	0·7	*
Lowestoft, up to 6 p.m. ...	61	43	c	7·0	—	Rhyl up to 6 p.m.	*	*	*	1·0	*
Hastings	*	*	*	12·0	*	Southport, 9 p.m.	64	48	op	1·2	—
Eastbourne up to 6 p.m. ...	*	*	*	11·0	*	Manchester, 9 p.m. ...	67	49	o	0·2	—
Brighton	*	*	*	11·8	*	Darwen, 9 p.m.	61	47	omu	0·3	0·02

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 3. VII. 02.	Temperature, F. Max. °	Temperature, F. Min. °	Weather.		Rain. Ins.	STATIONS. 2. VII. 02.	Temperature, F. at 1 p.m. °	Weather.	Rain. (measured at 7 a.m.) Ins.
Marseilles	88	61	b	b	—	Geneva	68	o	0·16
Utrecht	63	50	c	o	—	Berne	63	r	0·59
Copenhagen	59	50	o	c	0·12	Lucerne	64	o	0·51
Prague	73	48	o	o	—	Lausanne	?	?	0·16
Vienna	75	54	o	bc	0·16	Lugano	82	b	0·12
Buda-Pesth	84	55	o	o	0·16	Locarno	?	?	0·47
St. Petersburg	66	52	o	o	0·08				
Rome	87	66	b	o	—				
Malta	86	77	?	c	—				
Madeira (Funchal) not rec'd									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

4 ....VII..., 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	3. 38	11. 57	8. 16
Greenwich	3. 51	12. 4	8. 17
Wick	3. 15	12. 16	9. 17
Valencia	4. 29	12. 45	9. 1

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 5th July, 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Temp. Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.78	50	SW	2	o	29.68	-.17	55	50	+ 3	S	2	c	*	o	55	43	*	–
	Hernösand ...	29.72	52	S	6	o	29.58	-.39	53	50	- 1	N	4	r	*	o	59	39	*	0.24
	Stockholm ...	29.87	59	SSW	2	c	29.62	-.42	56	55	- 2	SW	2	r	*	c	70	46	*	0.24
	Wisby	29.93	56	S	4	3c	29.73	-.36	56	54	+ 1	SSW	6	o	*	3c	70	41	*	0.04
	Karlstad... ...	29.82	57	SW	2	r	29.63	-.39	58	56	+ 2	W	2	o	*	r	*	*	*	0.16
	Færder (X'iania Fjord)	29.82	56	SW	6	r	29.76	-.21	57	50	- 3	NW	2	c	3	r	61	54	*	0.04
	Bodö	29.56	50	ENE	4	r	29.64	-.07	48	46	+ 1	S	2	c	2	r	50	46	*	0.24
	Christiansund ...	29.76	50	WNW	4	r	29.79	+.01	52	48	- 5	NW	5	o	4	r	57	48	*	0.12
	Skudesnaes ...	29.88	52	NW	6	o	29.96	+.01	52	49	o	NW	6	c	3	o	52	50	*	*
BRITISH ISLANDS.	Sumburgh Head	29.86	54	W	8	o	29.99	+.19	51	48	o	W	4	o	4	c,o	55	49	*	0.01
	Stornoway ...	30.00	57	WNW	4	o	30.17	+.26	54	51	+ 2	WNW	4	3cw	4	o	63	48	9.2	–
	Malin Head ...	30.10	57	N	2	3	30.21	+.30	63	?63	+ 7	ENE	1	3	1	o,3	63	52	*	0.02
	Blacksod Pt. ...	30.12	57	NNW	2	om	30.18	+.22	59	56	+ 1	S	2	c	2	om,cm	60	54	*	0.01
	Valencia... ...	30.13	60	WSW	1	om	30.19	+.14	64	61	+ 4	SSE	1	3c	3	om	64	58	0.0	0.02
	Roche's Point ...	30.11	62	WSW	3	c	30.21	+.15	63	62	+ 3	SW	1	m	2	c,f	63	59	*	0.01
	Parsonstown ...	30.07	67	SW	1	r	30.21	+.21	61	59	o	ENE	1	o	*	c,p	68	56	0.3	0.02
	Donaghadee ...	30.06	55	NNE	2	c	30.24	+.30	55	52	- 5	N	2	3	2	c	64	50	*	0.01
	Liverpool Obsy.	30.07	64	WSW	2	3c	30.23	+.19	58	56	- 2	W	1	3	1	3c,p	67	54	*	–
	Holyhead ...	30.07	56	SW	4	f	30.23	+.19	57	55	+ 2	N	1	3	1	fdp	57	52	*	0.10
	Pembroke (St. Ann's)	30.12	57	SW	5	o	30.20	+.10	57	56	+ 1	S	2	f	2	of	58	54	0.0	0.01
	Scilly (St. Mary's)...	30.19	63	SW	4	o	30.24	+.09	61	60	+ 1	WSW	1	f	2	c,of	65	58	4.5	–
	Jersey (St. Aubins)...	30.21	68	WNW	3	3	30.27	+.07	59	57	- 5	WNW	2	of	2	3m,m,f	72	52	13.3	–
	Portland Bill ...	30.18	60	W	3	3c	30.23	+.04	60	59	+ 3	W	1	c	1	3c	62	56	*	–
	Dungeness ...	30.17	62	WSW	3	3c	30.21	-.04	62	59	+ 3	WSW	3	3	1	3c	65	57	*	–
	Wick	29.98	57	N	3	3c	30.12	+.29	58	54	+ 3	N	4	3	1	3c	62	48	*	–
	Nairn	29.98	64	W	2	3c	30.17	+.35	59	52	- 1	W	2	c	1	3c	66	48	*	–
	Aberdeen ...	30.00	54	SE	2	3c	30.17	+.34	59	50	- 2	WNW	3	3	1	3c	64	49	1.4	–
	Leith	29.98	59	NNE	1	3c	30.19	+.32	64	56	+ 1	WNW	1	3	*	3c	70	57	*	–
	North Shields ...	29.99	65	W	2	o	30.19	+.24	57	55	- 4	N	2	c	2	o	70	54	*	–
	Spurn Head ...	30.03	64	WSW	4	3c	30.16	+.13	57	56	- 4	NNE	3	f	2	3c	66	56	*	–
	Yarmouth ...	30.06	67	NW	2	3c	30.14	+.01	64	61	+ 4	NW	2	cm	2	3c	72	57	*	–
	Loughborough ...	30.09	66	W	3	c	30.20	+.09	67	62	+ 6	W	2	3cwr	*	op,c,3c	68	59	*	0.02
	Oxford	30.15	65	WSW	2	o	30.22	+.06	62	59	o	SW	2	o	*	o	73	57	*	–
	London (Brixton)	30.10	74	SW	1	o	30.21	+.04	66	62	+ 7	SW	1	3c	*	c,o	77	58	5.6	–
GERMANY, &c.	The Scaw (Skagen)	29.89	58	W	3	*	29.79	-.25	58	53	- 1	NW	4	3	1	r	64	54	*	0.20
	Fanö	30.02	56	SW	4	o	30.07	-.08	58	52	o	WNW	6	3c	*	o	64	54	*	–
	Cuxhaven ...	30.11	64	NW	1	o	30.04	-.17	60	58	+ 2	NW	4	o	*	o	66	58	*	–
	The Helder ...	30.14	61	SW	3	o	30.13	-.05	60	59	- 1	NW	1	o	o	o	68	59	*	0.04
	Brussels... ...	*	*	*	*	*	30.20	-.01	62	59	- 2	WNW	2	o	*	3	74	55	*	–
	Berlin	30.14	64	Z	o	o	30.02	-.24	59	57	o	SW	1	o	*	o	68	55	*	–
	Frankfürt ...	30.16	67	N	2	o	30.17	-.08	63	57	+ 7	SW	2	c	*	o	77	56	*	–
	Munich	30.23	66	Z	o	o	30.28	-.02	67	58	+ 9	W	4	c	*	o	73	55	*	–
FRANCE.	C. Gris Nez ...	30.19	60	SW	4	3	30.21	o	60	59	+ 1	SSW	3	c	2	m	68	57	*	–
	Brest	30.23	65	NNW	1	3	30.24	+.03	58	55	+ 4	NW	?1	?3	o	3	68	52	*	–
	Lorient	30.20	73	WNW	2	3	30.19	-.01	63	62	o	E	3	3	2	3	77	61	*	–
	Rochefort ...	30.13	73	NW	2	3	30.14	-.03	65	61	o	E	3	3	*	3	86	61	*	–
	Biarritz	30.12	73	NE	3	c	30.13	-.05	74	71	+ 7	E	1	3	1	o	86	66	*	–
	Paris	30.20	74	NNE	1	3c	30.25	+.01	66	62	+ 5	N	1	3	*	3c	78	54	*	–
	Belfort	30.13	74	W	2	3c	30.21	o	63	57	+ 5	Z	o	m	*	3o	84	58	*	–
	Lyons	30.15	80	NE	1	3	30.22	-.02	70	60	+ 6	E	1	3	*	3	84	60	*	–
	Nice	30.15	73	SSE	1	3	30.17	+.01	73	63	+ 2	E	1	3	o	3	84	63	*	–
	Perpignan ...	30.15	77	E	2	3	30.18	-.01	70	67	- 3	?NE	2	3	*	3	85	58	*	–
SPAN. PEN.	Corunna ...																		*	
	Lisbon	29.98	65	NNW	3	r	30.06	+.02	65	62	o	ESE	3	c	*	r	73	63	*	0.51
	Azores (P. Delgada)																		*	

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR Saturday 5th July, 1902

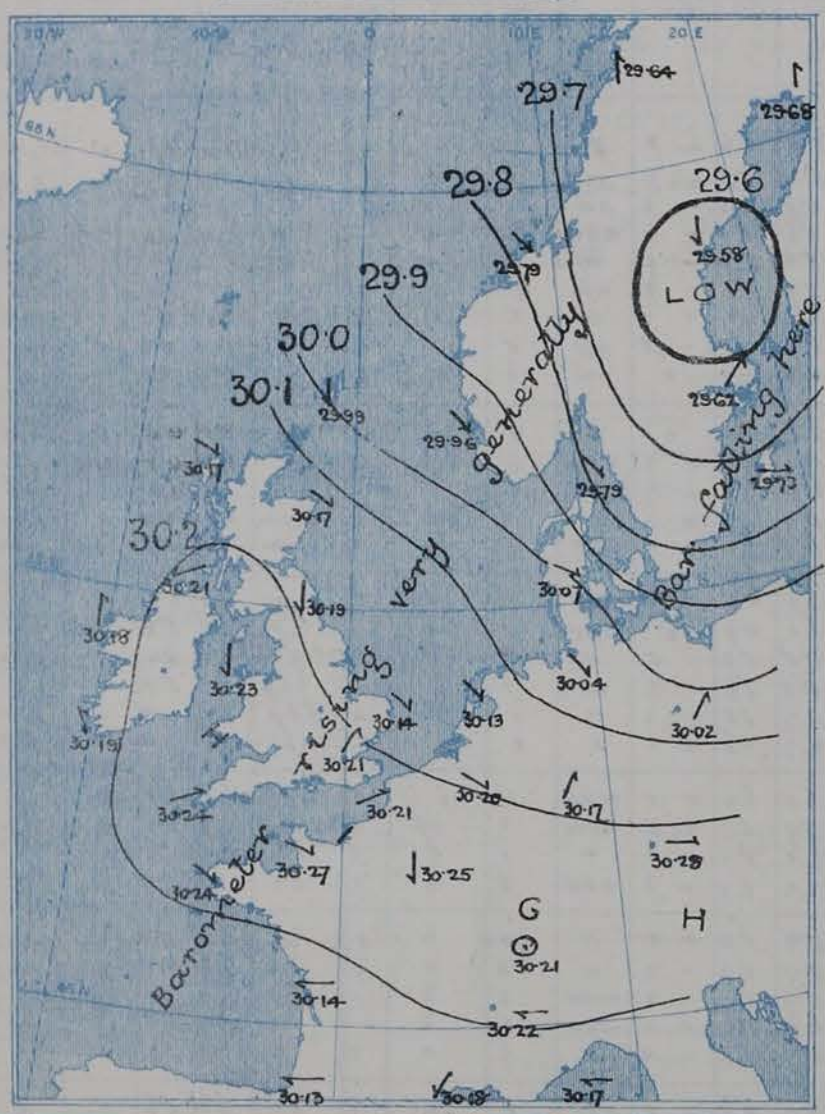
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 : *Force 5 to 7* : } Calm⊙
Force 8 to 10 : *Force 1 to 4* : }

SEA.—Rough : *High*

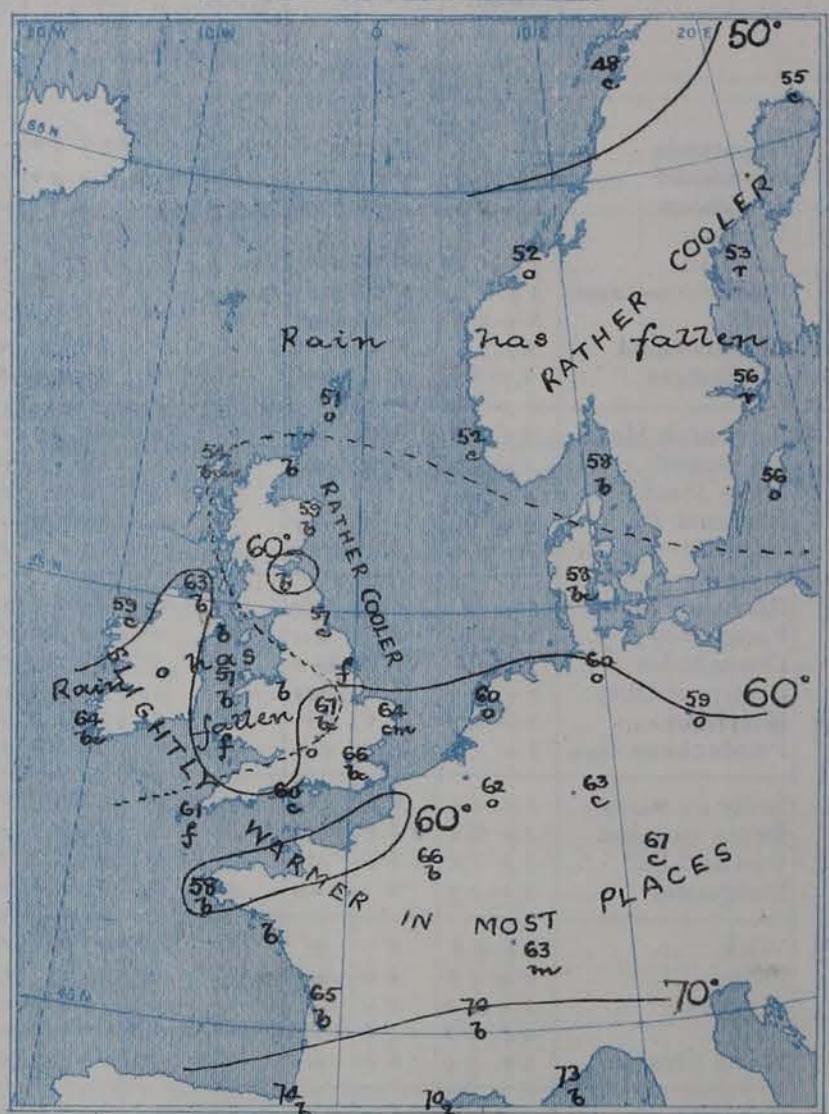


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

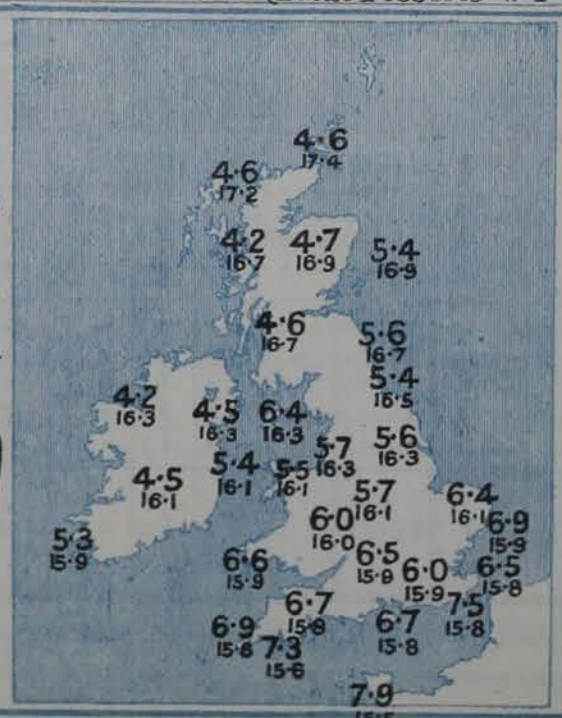


III. BAROMETER AND WIND

Yesterday morning.

IV. *Means of Daily Recorded* BRIGHT SUNSHINE *(1881–1900), together with Means of Possible Duration for* JULY.

Specimen (for Stornaway) { *Average No. of Hours daily* 4·6 ; *Total Possible* 17·2 }



V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JUNE–JULY (1871–1900.)

GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometric pressure is now highest over Ireland, the southeastern part of Great Britain, and the north and east of France, lowest over central Sweden; the readings ranging from 30·24 ins. at Donaghadee, 30·27 ins. at Jersey, and 30·28 ins. at Munich, to 29·56 ins. at Hernosand. Gradients in our Islands are exceedingly slight and variable.

WIND

The winds reported are Northerly to Northwesterly at the eastern stations, and blow strongly on the eastern shores of the North Sea, very slightly over Great Britain. In the extreme west of Ireland it has shifted to south again, in the south of France it is Easterly, in Germany Westerly to Southwesterly.

TEMPERATURE

Temperature varies from 67° at Loughborough, 66° in London, and 64° at Valencia and Leith, to 55° at Donaghadee, 51° at Sumburgh Head; many of the English and Irish values are in excess of the average. On the Continent we have 70° to 74° reported at the southern French stations, 66° at Paris, 59° at Berlin, 53° at Hernosand.

WEATHER AND SEA

Weather is fine and bright on our northwest and northeast coasts, cloudy in many other places, hazy in others, very foggy at Pembroke, Scilly, and Jersey; in Sweden it is raining. The sea is moderate in the north, smooth elsewhere.

During yesterday the maximum temperatures were as high as 77° in London, and exceeded 70° at a few other English stations; at Holyhead it was only 57°; and in the southwest of France it was 86°. Bright sunshine exceeded 13 hours at Jersey, and 10 hours along our south coast. At Valencia and Southport there was none. Slight rain fell in the west and north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A little more rain is expected in the west shortly; fog or haze is probable over Great Britain, with calms and varying airs.

FORECASTS ※

For the 24 hours ending at NOON on July 6th 1902

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW^ly to SW^ly winds, light; fair generally, hazy or foggy at times.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	Very variable airs; fair as a whole, hazy at times.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Varying S^ly airs or light breezes; hazy at first, then fair afterwards some rain.
7 ENGLAND N.W.	
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	- None Issued -

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

※ *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea.	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	8c	*	c,8c	74	58	7.6	–
Newton Reigny (Penrith)	30.02	61	SW 3	0	30.19	+.21	58	53	+1	NW 1	8	*	om,8	63	46	0.0	–
Bath	30.15	65	SW 2	0	30.23	+.07	60	59	−2	NW 1	0	*	0	72	59	4.5	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Harrogate, up to 6 p.m.	65	54	c	0.5	0.14	Worthing	*	*	*	11.4	*
Birmingham, 9 p.m.	65	53	c	1.2	–	Llandudno	*	*	*	1.5	*
Lowestoft, up to 6 p.m. ...	71	51	or	4.7	–	Rhyl up to 6 p.m.	*	*	*	1.5	*
Hastings up to 6 p.m. ...	*	*	*	10.3	*	Southport, 9 p.m.	62	55	opr	0.0	0.16
Eastbourne up to 6 p.m. ...	*	*	*	10.1	*	Manchester, 9 p.m. ...	69	55	or	0.0	0.07
Brighton	*	*	*	12.3	*	Darwen, 9 p.m.	60	52	omr	0.0	0.27

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 4 July-/02	Temperature, F. Max. °	Temperature, F. Min. °	Weather.		Rain. Ins.	STATIONS. 3. VII. 02	Temperature, F. at 1 p.m. °	Weather. 1 pm.	Rain. (measured at 7 a.m.) Ins.
Marseilles	86	61	b	b	—	Geneva	68	b	0.35
Utrecht	63	46	o	bc	—	Berne	68	b	0.83
Copenhagen	64	54	o	o	—	Lucerne	70	bc	0.75
Prague	64	48	o	o	—	Lausanne	?	?	0.24
Vienna	64	50	b	bc	—	Lugano	84	b	0.04
Buda-Pesth ... Not rec'd						Locarno	?	?	—
St. Petersburg	59	52	o	o	—				
Rome	86	63	b	b	—				
Malta	88	73	?	bc	—				
Madeira (Funchal)	72	57	c	c	—				

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

5 July, 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	3.38	11.57	8.16
Greenwich	3.51	12.4	8.17
Wick	3.16	12.16	9.16
Valencia	4.29	12.45	9.1

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† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Sunday 6th July, 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Temp. Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.63	59	E	2	o	29.75	+ .07	51	52	+ 1	NE	2	o	*	o	77	48	*	—
	Hernösand ...	29.65	58	N	4	bc	29.82	+ .24	51	52	+ 4	N	6	o	*	bc	59	48	*	—
	Stockholm ...	29.68	54	NW	2	b	29.80	+ .18	55	51	— 1	NNW	6	c	*	b	61	46	*	0.08
	Wisby	29.69	51	N	6	r	29.81	+ .08	53	49	— 3	NW	8	b	*	r	61	46	*	0.12
	Karlstad... ...	29.80	60	WNW	2	b	29.96	+ .33	57	49	— 1	WNW	6	b	*	b	*	*	*	—
	Færder (X'iania Fjord)	29.83	64	WSW	1	b	30.01	+ .25	58	51	+ 1	N	4	b	2	b	64	55	*	—
	Bodö	29.77	49	WSW	4	o	29.95	+ .31	48	45	0	N	4	o	2	o	52	45	*	0.24
	Christiansund ...	29.98	48	W	7	r	30.13	+ .34	49	47	— 3	NNW	2	r	3	r	50	46	*	0.08
	Skudesnaes ...	30.12	52	NW	6	c	30.17	+ .21	50	49	— 2	NNW	4	o	2	c	57	48	*	*
BRITISH ISLANDS.	Sumburgh Head	30.15	50	NW	3	o	30.05	+ .06	51	49	0	SSE	3	b	4	o	54	47	*	—
	Stornoway ...	30.20	58	ENE	1	o	29.92	— .25	55	54	+ 1	SSW	4	orm	4	c, o	64	49	8.3	0.14
	Malin Head ...	30.14	57	E	5	bc	30.05	— .16	60	58	— 3	WSW	5	crf	4	b, bc	62	54	*	0.03
	Blacksod Pt. ...	30.12	62	SSW	3	c	30.08	— .10	57	56	— 2	SW	4	r	3	c	62	56	*	0.03
	Valencia... ...	30.18	63	SSE	3	o	30.18	— .01	60	59	— 4	SSW	1	omf	3	c, orm	67	58	6.7	0.02
	Roche's Point ...	30.21	61	SSE	2	o	30.18	— .03	60	59	— 3	WNW	2	c	2	orm	64	58	*	0.01
	Parsonstown ...	30.17	69	SE	1	o	30.14	— .07	62	60	+ 1	WNW	2	o	*	o	72	60	1.9	—
	Donaghadee ...	30.21	60	SE	2	b	30.12	— .12	61	59	+ 6	S	2	o	2	b	64	51	*	—
	Liverpool Obsy.	30.21	65	NW	1	b	30.17	— .06	65	61	+ 7	SE	2	o	?	b	67	57	*	—
	Holyhead ...	30.21	61	N	1	b	30.16	— .07	58	57	+ 1	SW	2	f	1	b	62	54	*	—
	Pembroke (St. Ann's)	30.20	60	W	2	f	30.17	— .03	57	56	0	WNW	2	fw	3	f	62	55	1.0	—
	Scilly (St. Mary's)...	30.21	63	W	1	o	30.17	— .07	59	58	— 2	NNE	3	f	2	f, o	66	57	2.1	—
	Jersey (St. Aubins)...	30.20	68	NNW	3	b	30.17	— .10	72	65	+ 13	NE	1	bm	1	bf, b	72	58	11.1	—
	Portland Bill ...	30.21	62	NW	1	b	30.20	— .03	62	61	+ 2	E	3	bm	2	b	66	58	*	—
	Dungeness ...	30.22	62	WSW	1	c	30.25	+ .04	59	58	— 3	ENE	2	f	1	b, c	70	55	*	—
	Wick	30.21	56	N	3	bc	29.95	— .17	54	52	— 4	S	2	o	2	bc, p	62	49	*	0.04
	Nairn	30.17	64	E	1	bc	29.98	— .19	58	55	— 1	W	1	c	1	bc	69	46	*	0.03
	Aberdeen ...	30.25	65	SE	2	bc	30.04	— .13	62	56	+ 3	S	3	c	1	bc, p	66	51	13.0	0.01
	Leith	30.17	62	ESE	1	b	30.07	— .12	64	58	0	Z	0	orm	*	b	67	51	*	—
	North Shields ...	30.25	56	ESE	2	b	30.15	— .04	60	57	+ 3	SSW	2	c	2	b	60	56	*	—
	Spurn Head ...	30.21	57	E	3	b	30.21	+ .05	60	56	+ 3	SE	4	bc	3	b	63	54	*	—
	Yarmouth ...	30.20	63	NE	3	b	30.24	+ .10	60	57	— 4	SE	3	bw	2	b	66	55	*	—
	Loughborough ...	30.18	76	NNW	2	b	30.21	+ .01	60	58	— 7	SE	1	orm	*	bc, b, orm	80	55	*	—
	Oxford	30.19	70	NNE	1	bc	30.21	— .01	67	62	+ 5	SSE	2	b	*	c, bc	77	61	*	—
	London (Brixton)	30.18	73	N	1	og	30.23	+ .02	66	62	0	ESE	1	b	*	bc, c	79	59	7.3	—
GERMANY, &c.	The Scaw (Skagen)	29.87	60	WNW	4	b	29.99	+ .20	59	58	+ 1	NNW	3	b	1	b	66	57	*	—
	Fanö	30.12	54	WNW	8	c	30.16	+ .09	55	51	— 3	WNW	6	o	*	c	63	54	*	—
	Cuxhaven ...	30.16	60	NW	4	o	30.22	+ .18	57	52	— 3	NW	4	o	*	o	63	55	*	—
	The Helder ...	30.22	61	NNE	2	b	30.26	+ .13	59	54	— 1	NNE	1	b	0	b	66	54	*	—
	Brussels... ...	*	*	*	*	*	30.26	+ .06	65	57	+ 3	NNE	3	b	*	b	74	53	*	—
	Berlin	30.01	62	WNW	5	b	30.13	+ .11	58	52	— 1	NW	4	b	*	b	72	48	*	—
	Frankfürt ...	30.17	67	NNE	2	c	30.27	+ .10	59	52	— 4	ENE	2	b	*	c	81	54	*	—
	Munich	30.17	70	W	3	b	30.27	— .01	62	57	— 5	W	4	bc	*	b	79	57	*	—
FRANCE.	C. Gris Nez ...	30.23	63	Z	0	c	30.25	+ .04	59	58	— 1	ENE	3	m	2	c	73	58	*	—
	Brest	30.15	69	NE	2	b	30.10	— .14	55	54	— 3	ENE	1	bc	1	b	77	55	*	—
	Lorient	30.15	78	WNW	2	b	30.11	— .08	66	64	+ 3	E	2	b	2	b	84	63	*	—
	Rochefort ...	30.03	87	NE	3	b	30.02	— .12	72	68	+ 7	E	3	b	*	b	95	66	*	—
	Biarritz	30.00	84	E	3	b	30.10	— .03	68	65	— 6	WSW	3	b	2	b	91	66	*	—
	Paris	30.17	79	NE	2	b	30.19	— .06	70	64	+ 4	ENE	1	b	*	b	83	61	*	—
	Belfort	30.06	79	W	3	b	30.16	— .05	63	60	0	ENE	4	m	*	b	84	57	*	—
	Lyons	30.10	85	ENE	1	b	30.19	— .09	72	63	+ 2	NNE	1	b	*	b	88	64	*	—
	Nice	30.09	73	SW	2	b	30.05	— .12	71	64	— 2	WSW	1	b	0	b	86	61	*	—
	Perpignan ...	30.07	77	E	1	b	30.06	— .12	73	68	+ 3	Z	0	bc	*	b	83	63	*	—
SPAN. PEN.	Corunna ...																		*	
	Lisbon	30.10	65	SSW	4	c	30.10	+ .04	66	63	+ 1	S	3	o	*	c	72	63	*	—
	Azores (P. Delgada)	30.34	68	Z	0	b	30.35	+ .06	72	67	+ 3	Z	0	b	2	b	75	64	*	—

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

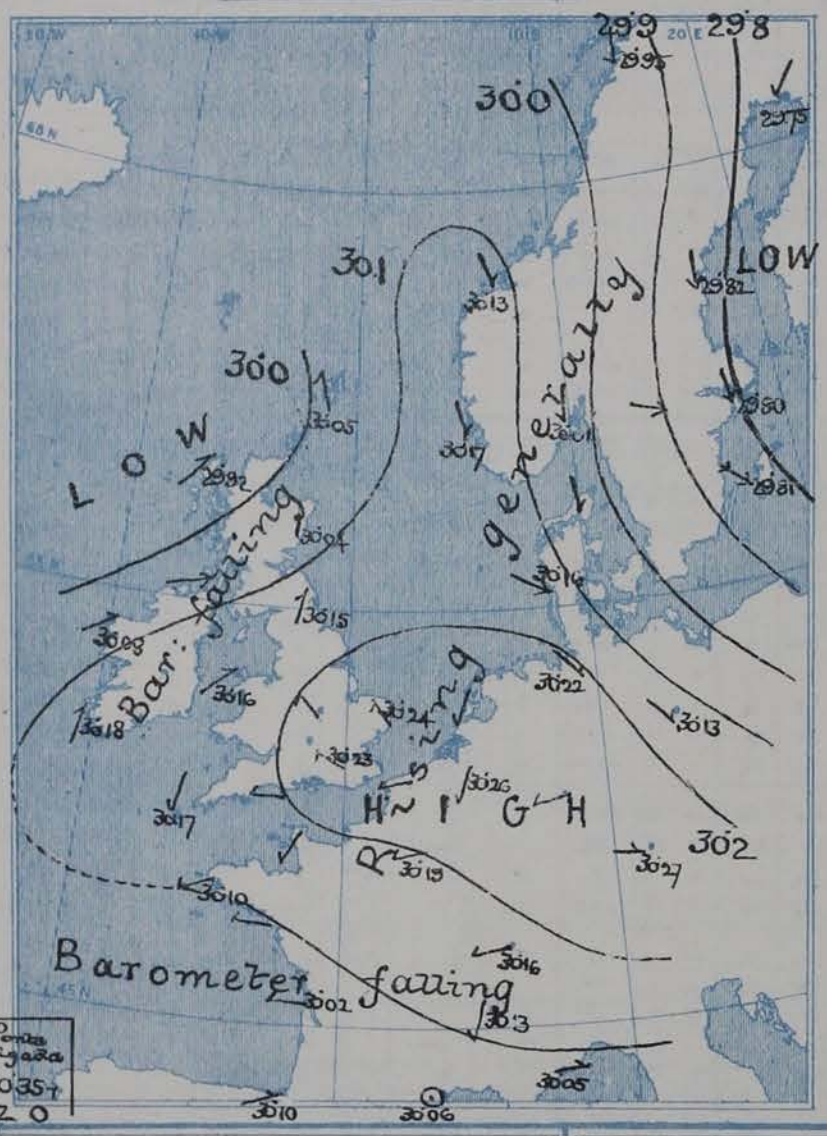
* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page*

WEATHER CHARTS

FOR Sunday, 6th July. 1902

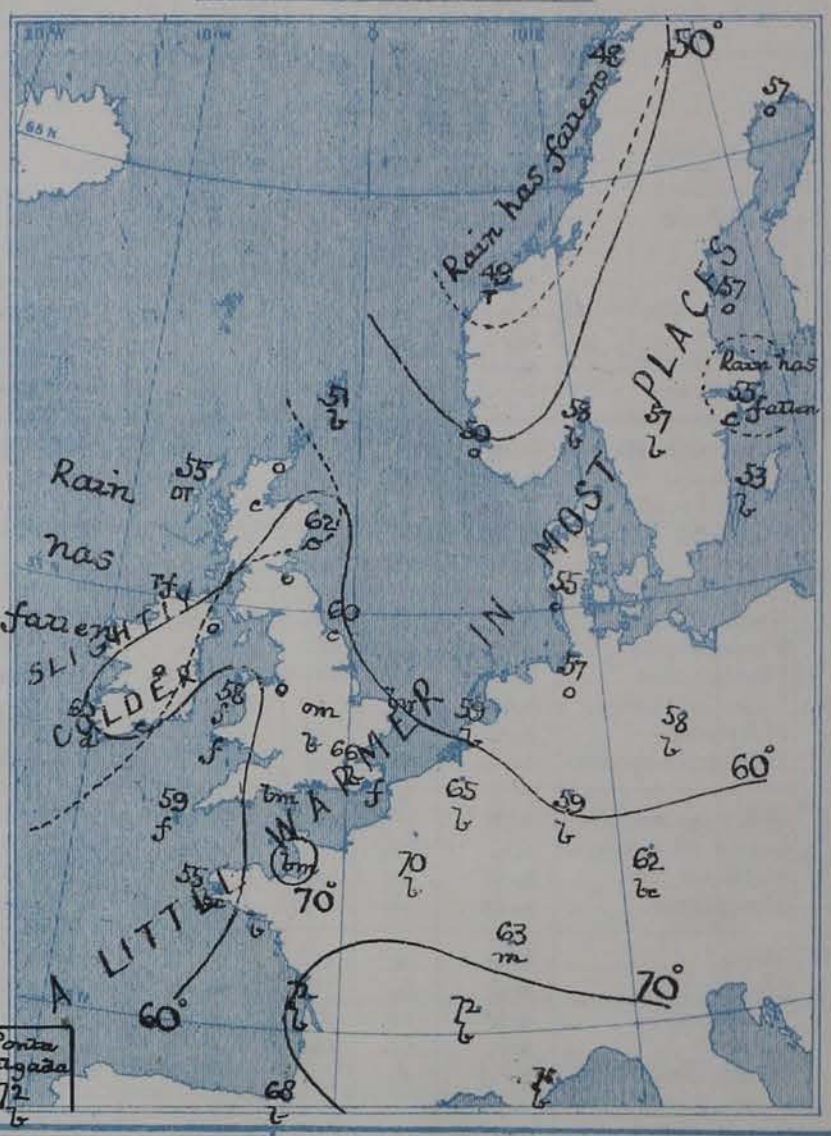
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }
SEA.—Rough : *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. (See P.4)
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



III. BAROMETER AND WIND

Yesterday morning.

IV. *Means of Daily Recorded* BRIGHT SUNSHINE *(1881–1900), together with Means of Possible Duration for* JULY.

Specimen (for Stornaway) { *Average No. of Hours daily* 4·6 ; *Total Possible* 17·2 }

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JUNE–JULY (1871–1900.)

GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer is now highest, 30·2 ins. and upwards, over Germany, the Netherlands, and the southeast and central parts of England, but is high, 30·1 ins. and upwards, in an anticyclone covering the greater part of Western Europe. The lowest readings, 29·8 ins. and less, are found over the Gulf of Bothnia, and the northern part of the Baltic, but pressure is also low, 30·0 ins. and less, in a cyclonic area lying off the north, and northwest of Scotland. The barometer is falling in the west and north of our Islands, and also in the west and south of France, but is rising in all other parts of our area.

WIND

The wind is light from the northeast in the Netherlands and central France, from the east in the west of France, and from the southeast over the greater part of England, but is Southerly or Southwesterly in Ireland and Scotland, and fresh in force at Malin Head. In Scandinavia, Denmark, and North Germany, it is Northerly or Northwesterly, and at the Swedish stations it blows strongly, with a gale at Visby.

TEMPERATURE

Temperature has risen in most parts of England and France, and is considerably above the average, readings being slightly above 65° in inland parts of the south of England, and above 70° at many of the French stations. In other parts of our area the temperature changes are rather irregular; on our extreme northern coasts the thermometer ranges between 51° and 55° and agrees very closely with the normal, while in the west of Norway the readings are slightly below 50°.

WEATHER AND SEA

The weather is fine in France, Germany, the Netherlands and the east and south of England, as well as in the south of Sweden. Elsewhere the sky is cloudy, with fog or mist on many parts of our western coasts, and with rain in the extreme western parts of Ireland and Scotland, as well as at Christianasund. The sea is slight or smooth generally, but moderate on our extreme north and northwest coasts.

During yesterday the thermometer rose to 70° and upwards in many parts of England and Ireland, to 75° and upwards over our midland and southern counties, and to 80° at Loughborough; in France it exceeded 80°, the highest readings reported being 95° at Rochefort, and 91° at Biarritz. The amount of bright sunshine was small in Ireland and Scotland, but large in England; at Southport there was as much as 15 hours. Slight rain has fallen in Ireland and the west and north of Scotland.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS*

For the 24 hours ending at NOON on July 7th. 1902

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	None Issued	6 SCOTLAND WEST	None Issued
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	None Issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea.	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	b	*	be, c	72	56	7·9	–
Newton Reigny (Penrith)												*					
Bath	30·19	73	W 1	o	30·20	– ·03	65	63	+ 5	SE 1	o	*	o	73	58	2·3	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Harrogate, up to 6 p.m.	72	54	c, b, e	14·2 to sunset	–	Worthing	*	*	*	11·8	*
Birmingham, 9 p.m.	75	58	o, c, b	9·0	–	Llandudno	*	*	*	14·0	*
Lowestoft, up to 6 p.m. ...						Rhyl up to 6 p.m.	*	*	*		*
Hastings	*	*	*	10·4	*	Southport, 9 p.m.	66	56	bv	15·0	0·01
Eastbourne up to 6 p.m. ...	*	*	*		*	Manchester, 9 p.m. ...					
Brighton	*	*	*		*	Darwen, 9 p.m.					

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 5 July-1902	Temperature, F. Max. °	Temperature, F. Min. °	Weather.		Rain. Ins.	STATIONS. 4. VII. 02	Temperature, F. at 1 p.m. °	Weather. 1 pm	Rain. (measured at 7 a.m.) Ins.
Marseilles	82	57	bc	b	—	Geneva	73	b	—
Utrecht	72	57	o	o	0·08	Berne	77	b	—
Copenhagen	66	55	o	o	?	Lucerne	73	b	—
Prague	72	52	o	o	—	Lausanne	?	?	—
Vienna	66	48	be	o	—	Lugano	81	b	—
Buda-Pesth	78	57	b	o	—	Locarno	?	?	—
St. Petersburg	63	50	o	o	—				
Rome	76	63	b	m	—				
Malta	77	?75	?	b	—				
Madeira (Funchal) not rec.d									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky, c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

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	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

G.....VII.., 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	3 41	11. 58	8 15
Greenwich	3. 54	12. 5	8. 16
Wick	3. 20	12. 17	9. 13
Valencia	4. 32	12. 46	8. 59

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† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Monday, 7th July, 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday.	Wind. Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.86	50	NE	2	r	29.82	+.07	50	47	-7	NE	6	o	*	r	59	50	*	0.04
	Hernösand ...	29.89	59	z	0	o	29.83	+.01	57	54	0	E	2	o	*	o	63	50	*	—
	Stockholm ...	29.92	60	NW	2	o	29.85	+.05	63	56	+8	WSW	2	c	*	o	64	48	*	—
	Wisby	29.96	55	z	0	o	29.89	+.08	57	51	+4	SW	2	3c	*	o	63	45	*	—
	Karlstad... ...	29.95	43	WNW	2	c	29.82	-.14	56	53	-1	S	2	o	*	c	*	*	*	—
	Færder (X'iania Fjord)	29.97	58	WSW	4	o	29.78	-.23	58	55	0	WSW	5	o	3	o	61	55	*	—
	Bodö	30.06	46	NNE	2	o	29.94	-.01	49	44	+1	NE	2	o	1	o	50	45	*	—
	Christiansund ...	30.04	52	ENE	2	o	29.86	-.27	53	49	+4	ESE	3	3c	3	o	54	48	*	—
	Skudesnaes ...	30.04	51	S	4	o	29.83	-.34	53	53	+3	W	2	f	2	r	54	50	*	*
BRITISH ISLANDS.	Sumburgh Head	29.85	55	SW	3	o	29.77	-.28	51	51	0	W	4	f	4	o	55	49	*	0.07
	Stornoway ...	29.89	58	WSW	4	r	29.94	+.02	53	52	-2	W	3	d	3	r	63	52	2.1	0.01
	Malin Head ...	30.03	56	W	5	c	30.12	+.07	54	53	-6	W	5	omp	4	c,r	61	52	*	0.02
	Blacksod Pt. ...	30.12	58	SW	4	o	30.18	+.10	57	55	0	WSW	2	cm	2	o	61	53	*	0.02
	Valencia... ...	30.20	59	WSW	2	o	30.26	+.08	57	54	-3	WNW	1	o	4	o	63	55	2.3	—
	Roche's Point ...	30.14	69	WNW	4	3	30.23	+.05	58	55	-2	NNW	4	og	3	c,3	69	55	*	—
	Parsonstown ...	30.15	63	W	3	o	30.22	+.09	57	54	-5	SW	1	o	*	3c,o	70	55	6.7	—
	Donaghadee ...	30.08	67	W	3	3o	30.14	+.02	58	55	-3	NW	3	c	3	3c	73	56	*	—
	Liverpool Obsy.	30.14	67	WNW	2	3	30.16	-.01	58	55	-7	WNW	4	o	3	3	71	57	*	—
	Holyhead ...	30.13	56	SW	3	f	30.17	+.01	57	55	-1	W	2	o	1	f	65	52	*	—
	Pembroke (St. Ann's)	30.15	57	SSW	3	f	30.19	+.02	57	55	0	NNW	2	o	2	f	60	53	0.9	—
	Scilly (St. Mary's)...	30.17	59	N	3	of	30.17	0	59	57	0	N	3	c	3	o,f	65	57	1.0	—
	Jersey (St. Aubins)...	30.10	78	ENE	2	6	30.14	-.03	74	65	+2	ENE	1	3m	1	3	83	63	14.7	—
	Portland Bill ...	30.15	62	ESE	2	3	30.17	-.03	63	60	+1	NW	1	3	1	3m	65	58	*	—
	Dungeness ...	30.16	63	ENE	2	3c	30.14	-.11	62	61	+3	W	2	3	0	3c	69	54	*	—
	Wick	29.90	62	S	1	c	29.89	-.06	58	55	+4	NNW	4	o	2	c	68	49	*	0.03
	Nairn	29.92	62	WSW	4	c	29.93	-.05	59	55	+1	W	2	3o	1	c	71	54	*	—
	Aberdeen ...	29.92	69	WSW	3	3c	29.94	-.10	65	56	+3	W	3	3c	1	3c	72	56	7.1	—
	Leith	30.00	66	W	3	3	30.02	-.05	62	56	-2	WSW	4	c	*	3	73	56		—
	North Shields ...	30.03	72	SW	2	c	30.05	-.10	61	57	+1	SW	2	c	2	c	76	57	*	—
	Spurn Head ...	30.08	65	S	3	3c	30.08	-.13	61	58	+1	W	4	3c	3	3c	73	58	*	—
	Yarmouth ...	30.16	63	SSE	3	3	30.07	-.17	67	63	+7	NW	2	3	2	3	67	58	*	—
	Loughborough ...	30.10	77	S	2	3o	30.16	-.06	66	61	+6	WNW	3	3cw	*	om,c,3c	78	53	*	—
	Oxford	30.12	72	W	2	3	30.17	-.04	63	60	-4	NW	1	c	*	3	78	58	*	—
	London (Brixton)	30.12	78	W	1	3c	30.12	-.10	70	65	+4	W	1	3	*	3c,3	82	58	5.9	—
GERMANY, &c.	The Scaw (Skagen)	30.01	54	WNW	3	3	29.88	-.11	57	57	-2	W	3	m	1	3	66	54	*	—
	Fanö	30.13	54	SW	2	c	29.99	-.17	59	57	+4	SW	4	r	*	c	59	54	*	—
	Cuxhaven ...	30.21	59	WNW	3	c	30.08	-.14	59	56	+2	SW	4	c	*	c	61	55	*	—
	The Helder. ...	30.22	63	NW	1	o	30.09	-.17	65	61	+6	SW	3	o	1	3	66	54	*	—
	Brussels... ...	*	*	*	*	*	30.13	-.13	70	62	+5	W	1	3	*	3	77	52	*	—
	Berlin	30.15	63	NW	3	3	30.13	0	60	55	+2	WSW	1	3	*	3	70	52	*	—
	Frankfürt ...	30.17	64	ENE	2	3	30.14	-.13	66	56	+7	E	1	3	*	3	77	55	*	—
	Munich	30.24	65	E	2	o	30.21	-.06	66	61	+4	E	3	3	*	3	72	50	*	—
FRANCE.	C. Gris Nez ...	30.17	65	NE	2	3	?		65	63	+6	z	0	3	0	3	73	59	*	—
	Brest	30.04	73	NE	2	c	30.14	+.04	63	61	+8	NE	1	3	2	c	82	55	*	—
	Lorient	30.05	86	z	0	3c	30.12	+.01	70	68	+4	E	2	3	2	3c	90	66	*	—
	Rochefort ...	30.02	73	WSW	2	c	30.06	+.04	70	68	-2	WSW	1	o	*	c	90	68	*	—
	Biarritz	30.09	70	W	1	c	30.14	+.04	69	66	+1	W	3	c	2	c,3	75	62	*	—
	Paris	30.11	79	E	2	3	30.14	-.05	68	63	-2	NE	1	3	*	3	? 89	59	*	—
	Belfort	?	79	?	?	m	30.08	-.08	66	60	+3	NE	2	3	*	m	85	56	*	—
	Lyons	30.04	82	NNE	1	3c	30.11	-.02	73	64	+1	NNE	1	3	*	3	90	65	*	—
	Nice	30.04	71	WSW	1	3	30.11	+.06	73	56	+2	WSW	1	3o	0	3	84	61	*	—
	Perpignan ...	30.00	80	E	1	3c	30.09	+.03	75	72	+2	E	1	3c	*	3c	87	64	*	—
SPAN. PEN.	Corunna ...																		*	
	Lisbon	30.12	64	WNW	3	3	30.14	+.04	67	62	+1	N	2	3c	*	3	70	61	*	—
	Azores (P. Delgada)	30.39	67	NNE	1	3	30.39	+.04	68	64	-4	NE	3	3c	1	3	77	64	*	—

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page*

WEATHER CHARTS

FOR Monday 7th July, 1902

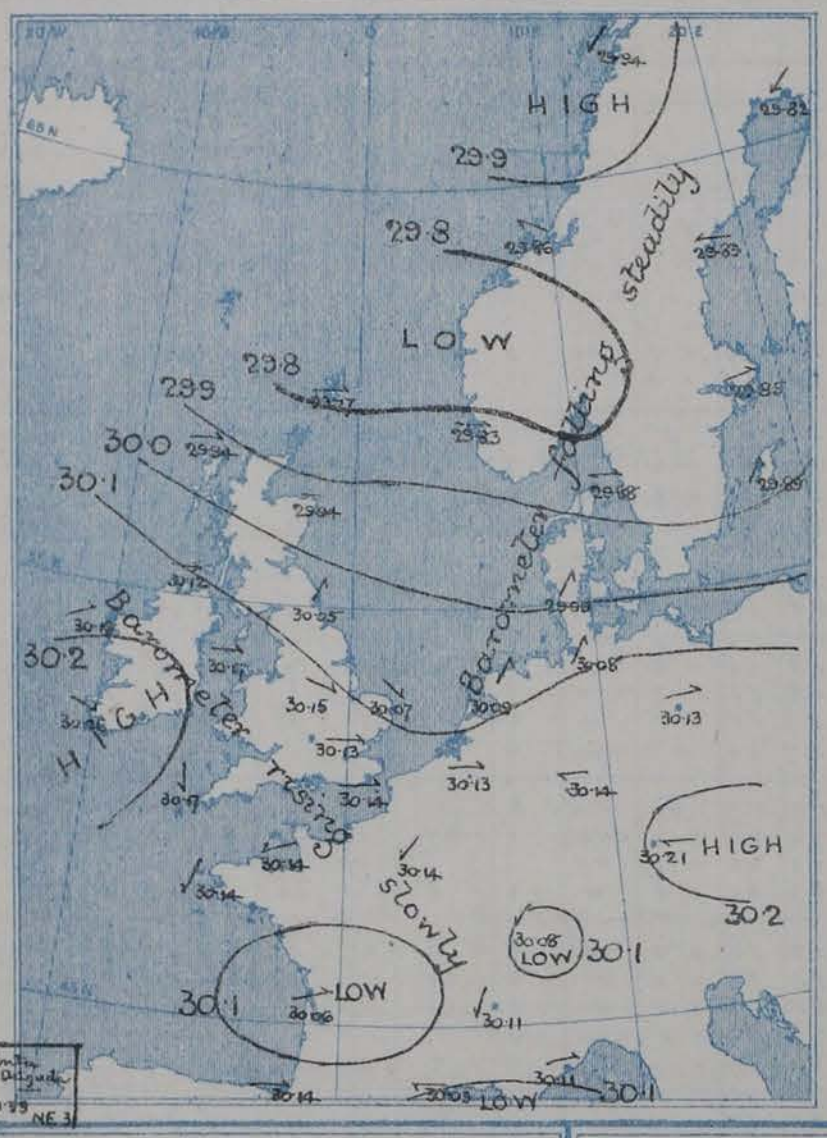
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ :

SEA.—Rough : *High*

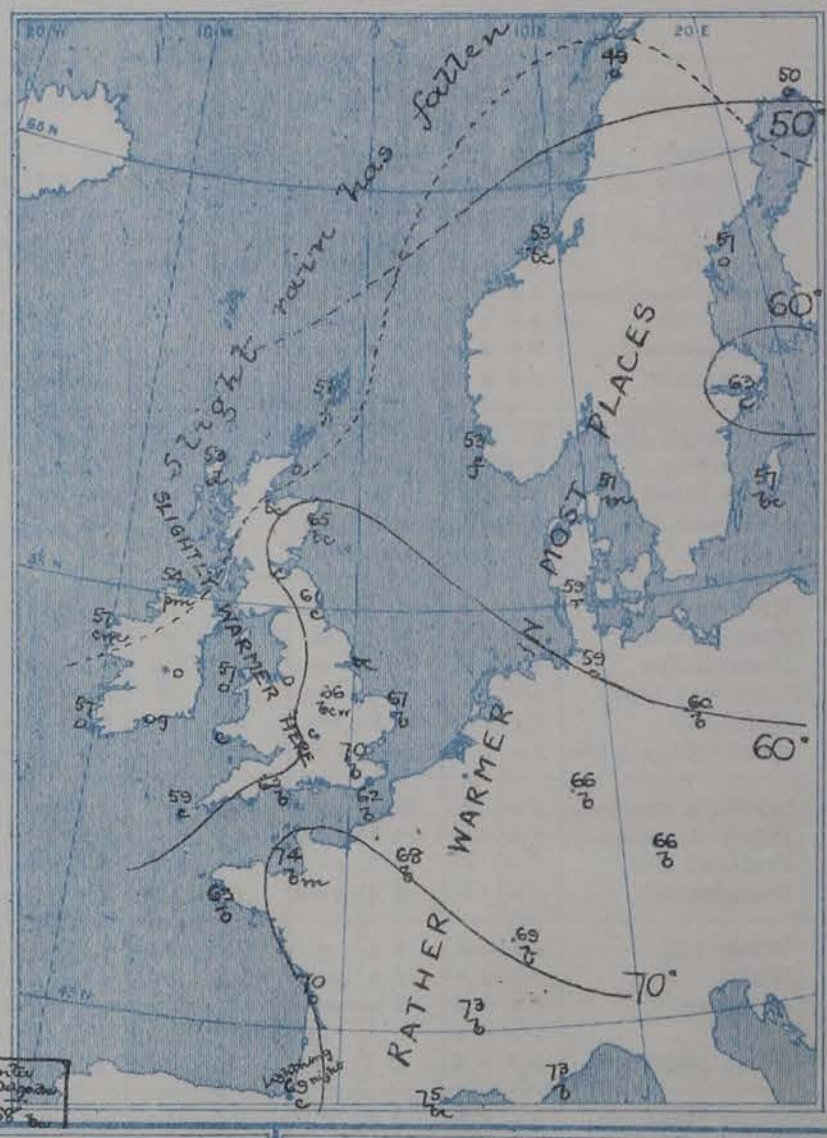


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



III. BAROMETER AND WIND

Yesterday morning.

IV. *Means of Daily Recorded* BRIGHT SUNSHINE *(1881–1900), together with Means of Possible Duration for* JULY.

Specimen (for Stornaway) { *Average No. of Hours daily* 4·6 ; *Total Possible* 17·2 }

V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Two monthly period* JUNE–JULY *(1871–1900.)*

GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometer readings are now somewhat high both over the south of Ireland and South Germany the two regions being joined by a col which covers the south of England, the north of France, Belgium, and western Germany. Readings range from 30·26 ins. at Valencia, and 30·21 ins. at Munich, to 30·06 ins. at Rochefort on the one hand, and to about 29·77 ins. at Dunburgh Head and at Faeder, on the other.

WIND

The winds in our Islands are mainly Westerly and Northwesterly; over the North Sea they are Southwesterly, and in the north of Scandinavia, Easterly. In France there are faint Easterly airs over the northern Departments, variable and westerly airs in the south.

TEMPERATURE

Temperature ranges from 75° at Perpignan, and 70° at Brussels and in London, to 54° at Malin Head, 51° at Dunburgh Head, and 49° at Bodö; over England the values are rather above the average, but not in Ireland and Scotland.

WEATHER AND SEA

The weather is dull at our western and northern stations with some rain both there and on the eastern shores of the North Sea. Over England, France, and Germany it is fine as a whole, but thunder is reported at Belfort. Sea is moderate in the far west, slight or smooth elsewhere.

During yesterday temperature in the shade rose to 82° in London, 83° at Jersey, 84° at Nice, 90° in the southwest of France. Bright sunshine amounted to 14·7 hours at Jersey, and 10 to 12 hours on our southcoast; in the north and west it was smaller, 5·6 hours at Harrogate, 2·3 hours at Valencia, 2·1 hours at Stornoway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The northern parts of the Kingdom are likely to experience some cold showers from the depression in the north, while the southern counties will probable get some thundershowers tonight, or in the morning from the disturbances in France.

FORECASTS*

For the 24 hours ending at NOON on July 8th 1902

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	W^ly to N^ly winds, fresh to moderate; some showers.	6 SCOTLAND WEST 7 ENGLAND N.W.	Same as Nos 0 and 1.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES	NW^ly winds, moderate; fair, very warm in daytime.	8 ENGLAND S.W.	Same as No 5
5 ENGLAND SOUTH	NW^ly to NE^ly winds; warm and close today, less fair at night, possibly thundery.	9 IRELAND NORTH	Same as Nos 0 and 1.
		10 IRELAND SOUTH	N^ly to NE^ly winds, moderate; fair.
		WARNINGS	— None Issued. —

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	3m	*	3m	73	60	12·3	–
Newton Reigny (Penrith)	30·05	69	WSW 2	c	30·08		56	54		W 3	o	*	c, o m	74	55	6·5	–
Bath	30·12	77	NW 1	3o	30·17	– ·03	59	59	– 6	W 1	o	*	3c	78	57	8·0	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs	Rainfall. Ins.
Harrogate, up to 6 p.m.	76	50	omd	5·6	–	Worthing	*	*	*	12·2	*
Birmingham, 9 p.m.	76	58	c	5·4	–	Llandudno	*	*	*	? 8·1	*
Lowestoft, up to 6 p.m. ...						Rhyl up to 6 p.m.	*	*	*	7·5	*
Hastings	*	*	*	11·2	*	Southport, 9 p.m.	70	54	3, o, c	8·3	–
Eastbourne up to 6 p.m. ...	*	*	*	9·7	*	Manchester, 9 p.m. ...					
Brighton	*	*	*	13·1	*	Darwen, 9 p.m.	74	54	cv	7·1	–

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 6 · VII · 02	Temperature, F. Max. °	Temperature, F. Min. °	Weather.	Rain.	STATIONS. 5 July /02	Temperature, F. at 1 p.m. °	Weather. 1 pm	Rain. (measured at 7 a.m.)
Marseilles	Information	not	yet	rec^d	Geneva	75	b	Ins. –
Utrecht				Ins	Berne	79	b	–
Copenhagen					Lucerne	79	b	–
Prague					Lausanne	?	?	–
Vienna					Lugano	86	b	–
Buda-Pesth					Locarno	?	?	–
St. Petersburg								
Rome								
Malta								
Madeira (Funchal)								

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

7 July, 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	3 40	11.58	8.15
Greenwich	3.53	12.5	8.16
Wick	3.19	12.17	9.14
Valencia	4.31	12.46	9.0

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS. For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " Single Copies, 6d.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Tuesday, 8th July, 1902

Issued by the Meteorological Office, 63, Victoria Street, London: W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Temp. Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.76	48	NE	4	r	29.76	-.06	50	48	0	NNE	4	0	*	r	57	48	*	0.28
	Hernösand ...	29.76	51	?	6	0	29.73	-.10	56	50	-1	NE	2	8c	*	0	59	50	*	—
	Stockholm ...	29.69	55	ENE	4	0	29.71	-.14	54	51	-9	NNW	4	0	*	0	66	50	*	0.04
	Wisby	29.68	54	SW	2	0	29.67	-.22	51	50	-6	N	4	f	*	0	64	46	*	0.32
	Karlstad... ...	29.69	58	Z	0	0	29.75	-.07	56	54	0	NE	2	0	*	8	*	*	*	0.16
	Færder (X'lania Fjord)	29.69	59	W	1	c	29.75	-.03	57	55	-1	NNE	2	0	3	c	59	55	*	0.24
	Bodö	29.81	49	NNE	4	8	29.79	-.15	48	45	-1	NNE	4	8	1	8	50	45	*	—
	Christiansund ...	29.82	52	N	2	8c	29.90	+.04	49	45	-4	N	2	0	3	8c	55	46	*	—
	Skudesnaes ...	29.87	53	NW	4	0	29.87	+.04	53	52	0	NW	2	0	2	0	55	52	*	*
BRITISH ISLANDS.	Sumburgh Head	29.84	50	W	2	0	29.95	+.18	50	48	-1	NE	3	0	4	f,0	52	48	*	0.01
	Stornoway ...	30.00	55	WNW	5	c	30.04	+.10	52	50	-1	Z	0	or	0	0	58	49	1.2	—
	Malin Head ...	30.15	55	W	5	0	30.00	-.12	56	?	+2	SW	5	df	4	c,0	60	52	*	0.28
	Blacksod Pt. ...	30.19	58	SW	3	omp	30.03	-.15	59	58	+2	SW	6	rm	4	8c,0	61	55	*	0.37
	Valencia... ...	30.27	60	WSW	1	8c	30.21	-.05	60	60	+3	S	2	om	4	0,8c	60	54	2.6	—
	Roche's Point ...	30.21	62	WSW	2	8c	30.21	-.02	59	57	+1	W	1	c	2	8c,8	67	52	*	—
	Parsonstown ...	30.21	64	W	2	c	30.13	-.09	61	59	+4	SW	4	0	*	c	67	54	4.2	—
	Donaghadee ...	30.17	56	SE	1	c	30.09	-.05	54	54	-4	SW	2	r	2	0	65	53	*	0.12
	Liverpool Obsy.	30.19	61	WNW	3	c	30.17	+.01	58	56	0	W	3	0	3	8c	63	55	*	—
	Holyhead ...	30.21	59	SW	2	c	30.17	0	57	56	0	SW	1	odp	1	c	64	55	*	—
	Pembroke (St. Ann's)	30.21	58	NW	3	8c	30.21	+.02	57	57	0	Z	0	fw	3	8c	60	55	10.2	—
	Scilly (St. Mary's)...	30.26	61	NNW	3	c	30.26	+.09	60	57	+1	NW	2	c	3	8c,c	65	56	12.3	—
	Jersey (St. Aubins)...	30.19	73	NW	3	8m	30.24	+.10	68	62	-6	NE	1	8m	1	8m,0	80	57	14.3	—
	Portland Bill ...	30.18	65	NW	2	6	30.22	+.05	60	58	-3	NNW	1	8	2	8	71	56	*	—
	Dungeness ...	30.13	68	W	4	8	30.22	+.08	66	60	+4	N	1	8c	1	8	71	56	*	—
	Wick	29.95	54	N	4	0	29.99	+.10	53	51	-5	N	4	0	2	0	59	49	*	0.01
	Nairn	29.99	60	W	2	c	30.02	+.09	57	54	-2	NE	1	c	1	c	64	51	*	—
	Aberdeen ...	29.99	63	WNW	3	c	30.03	+.09	58	54	-7	N	2	c	1	8c,c	69	54	7.1	—
	Leith	30.04	63	W	3	c	30.05	+.03	59	56	-3	WSW	1	om	*	c	68	53	*	—
	North Shields ...	30.07	67	W	3	8c	30.10	+.05	57	57	-4	SW	2	r	2	c,r	68	55	*	0.10
	Spurn Head ...	30.10	67	WNW	5	8c	30.14	+.06	59	57	-2	WNW	3	0	2	8c	70	57	*	—
	Yarmouth ...	30.09	67	SSE	2	8	30.13	+.06	65	59	-2	W	2	8	2	8	74	56	*	—
	Loughborough ...	30.15	70	WSW	3	8o	30.19	+.04	65	59	-1	WSW	3	8c	*	8cq,em	73	55	*	—
	Oxford	30.15	71	NW	1	8	30.20	+.03	65	59	+2	WSW	1	8	*	8	77	54	*	—
	London (Brixton)	30.14	78	NW	2	8	30.20	+.07	65	60	-5	W	1	8c	*	8c,8	82	56	13.1	—
GERMANY, &c.	The Scaw (Skagen)	29.73	57	W	4	m	29.74*	-.14	59	56	+2	NW	4	r	1	m	63	55	*	—
	Fanö	29.97	56	W	8	c	29.96	-.03	57	54	-2	W	6	0	*	c	63	55	*	—
	Cuxhaven ...	30.04	63	W	4	c	30.03	-.05	60	57	+1	WNW	4	0	*	c	68	57	*	—
	The Helder ...	30.11	62	NW	1	8c	30.13	+.04	61	57	-4	WNW	2	8c	1	8c	68	59	*	—
	Brussels... ...	*	*	*	*	*	30.18	+.05	68	63	-2	WSW	1	0	*	8c	82	59	*	—
	Berlin	29.96	72	NW	2	c	30.00	-.13	60	55	0	WNW	5	0	*	c	79	57	*	—
	Frankfürt ...	30.08	73	N	2	8c	30.15	+.01	69	62	+3	W	3	8c	*	8	88	64	*	—
	Munich	30.14	74	Z	0	c	30.24	+.03	69	62	+3	W	4	8	*	8c	81	64	*	—
FRANCE.	C. Gris Nez ...	30.16	68	SW	3	8	30.24		64	61	-1	S	1	8	1	f	77	59	*	—
	Brest	30.18	71	N	2	8	30.25	+.11	56	55	-7	N	1	8	3	8	79	55	*	—
	Lorient	30.12*	85	Z	0	8o	30.22	+.10	67	63	-3	ENE	2	8	2	8c	91	64	*	—
	Rochefort ...	30.11	73	WNW	3	8	30.14	+.08	73	70	+3	E	2	8	*	8	81	66	*	—
	Biarritz	30.13	71	N	3	8c	30.21	+.07	69	68	0	Z	0	m	3	8c,2	75	66	*	—
	Paris	30.13	83	N	2	8	30.22	+.08	69	64	+1	NE	1	8	*	8	87	60	*	—
	Belfort	30.04	78	W	4	c	30.16	+.08	66	62	0	WSW	2	m	*	c	88	59	*	—
	Lyons	30.09	85	N	1	c	30.18	+.07	75	47	+2	NNW	1	8	*	c	93	70	*	—
	Nice	30.08	73	SW	4	8	30.11	0	71	64	-2	E	2	8c	0	8	82	64	*	—
	Perpignan ...	30.09	80	NE	2	8	30.13	+.04	79	69	+4	Z	0	8	*	8	85	66	*	—
SPAN. PEN.	Corunna ...																		*	
	Lisbon	30.12	66	NW	4	8	30.15	+.01	69	64	+2	WNW	2	8	*	8	75	63	*	—
	Azores (P. Delgada)																		*	

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR Tuesday 8th July, 1902

I. BAROMETER, WIND AND SEA. *This Morning.*

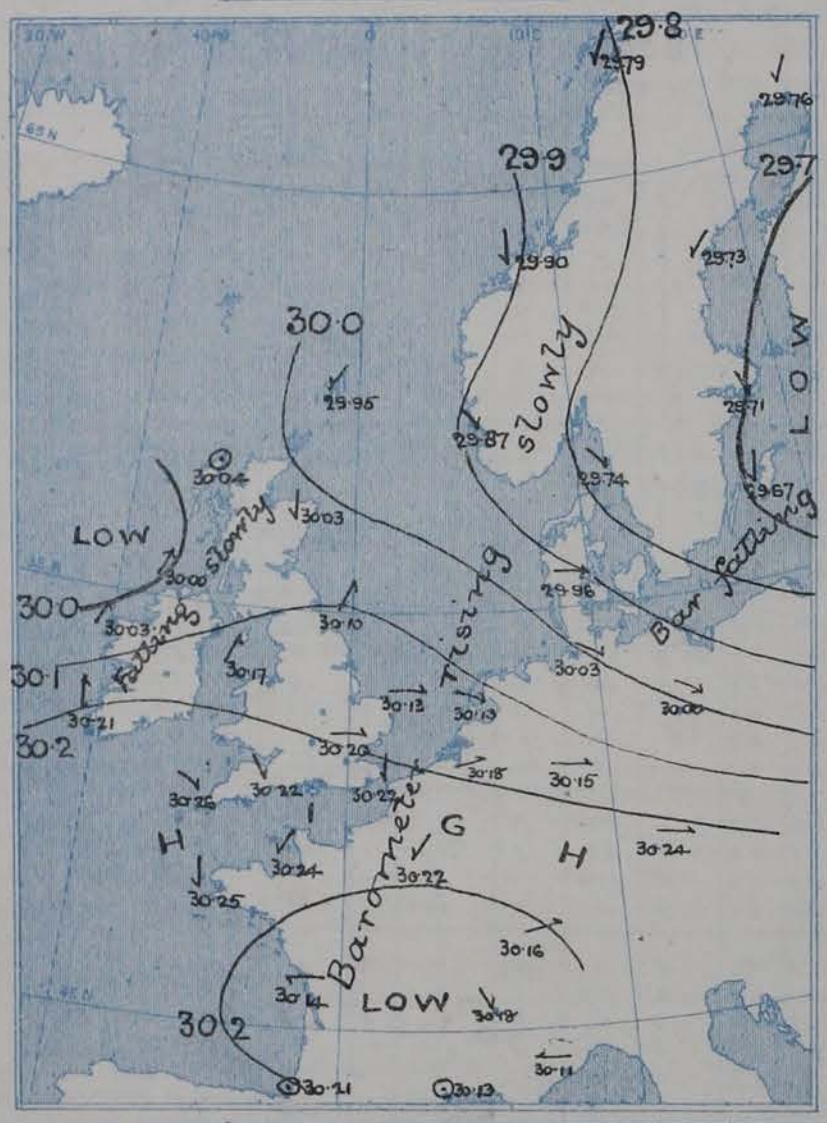
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ ; }

SEA.—Rough : *High*

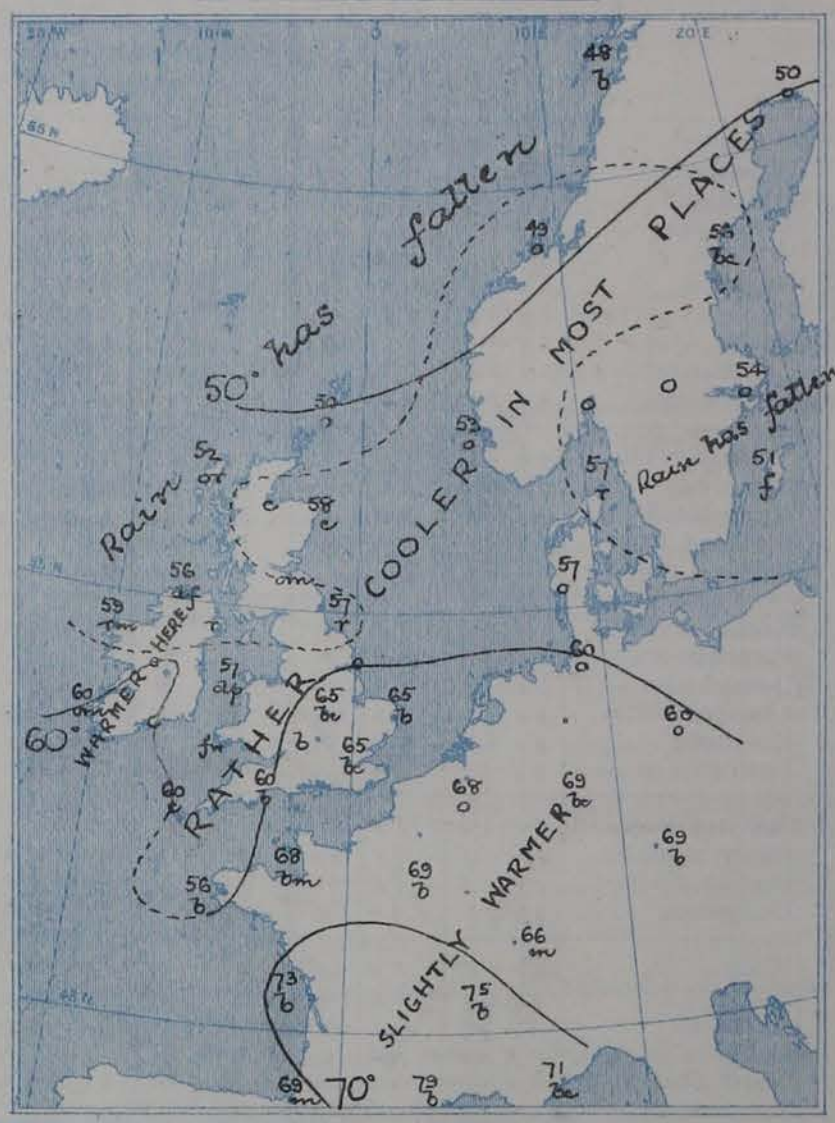


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P 4)

RAINFALL.— *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6*

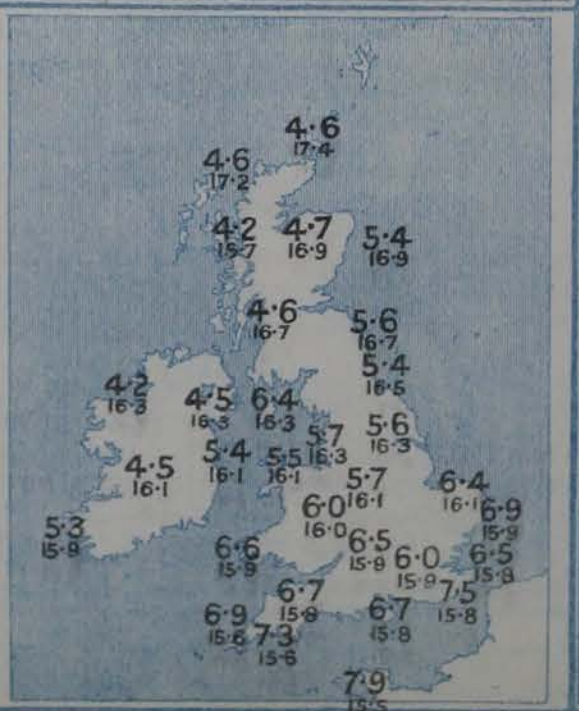


III BAROMETER AND WIND

Yesterday morning.

IV. *Means of Daily Recorded* BRIGHT SUNSHINE *(1881–1900), together with Means of Possible Duration for* JULY.

Specimen (for Stornaway) { *Average No. of Hours daily* 4·6 ; *Total Possible* 17·2 }



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Monthly period JULY (1871–1900)*

GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometric pressure is now highest, in a band which stretches from our southwestern coasts along the Channel and its shores, to Belgium and the west and south of Germany, and is lowest over Sweden, and on our northwestern coasts; it is also rather low over the southern parts of France. Readings range from 30·26 ins. at Scilly, 30·24 ins. at Jersey and Munich, to 29·67 ins. at Wisby, and 30·11 ins at Nice.

WIND TEMPERATURE WEATHER AND SEA

The winds reported are very variable at the southern stations. In the north of Ireland and north of England, they are fresh to moderate from Southwest, and in the north of Scotland, light from North or Calm. In Norway they are light from the Northward, and in Denmark strong from West. Temperature has changed very little, but at the southern stations the diurnal range is large. This morning's readings vary from 66° at Dungeness, and 65° over central England, to 54° at Donaghadee, and 50° at Dumburgh Head. The southern readings are rather high, the northern rather low. The weather has become dull and rather rainy over the northern parts both of Ireland and England; on the eastern shores of the North Sea it is similar, but in the south of England, north of France, and south Germany, it is very fine.

During yesterday the maximum temperatures were below 70° over Ireland and Scotland, 82° in London, 88° at Frankfurt, 91° at Lorient. Rain fell in Sweden and at some of our northern and northeastern stations. Bright sunshine exceeded 14 hours at Jersey, and exceeded 13 hours at many of our southern stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new depression in the northwest, will probably move eastwards, and cause some rain in the northern parts of the Kingdom, and an increase of cloud in the south, but no serious disturbance is apprehended.

FORECASTS※

For the 24 hours ending at NOON on 9th July, 1902

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Varying E^ly winds; rainy.	6 SCOTLAND WEST	Same as No. 0.
1 SCOTLAND EAST	E^ly and NE^ly winds; some rain.	7 ENGLAND N.W.	SW^ly to NW^ly breezes, freshening; showery, cooler.
2 ENGLAND N.E.	SW^ly breezes, light; fine, warm; to fresh, cloudy, and in places showery.	8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	—None Issued—

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

※ *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea.	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*		*				*	
Newton Reigny (Penrith)	30·12	61	WNW 3	8c	30·11	+·03	56	55	0	NW 1	0	*	c, or	65	54	5·0	0·16
Bath	30·17	70	NW 1	8	30·22	+·05	60	58	+ 1	NW 1	8	*	8	74	50	10·0	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs	Rainfall. Ins.
Harrogate, up to 6 p.m.	71	56	c, o	3·5	–	Worthing	*	*	*	14·4	*
Birmingham, 9 p.m.	73	57	c	8·5	–	Llandudno	*	*	*	5·0	*
Lowestoft, up to 6 p.m. ...	75	59	c	9·3		Rhyl up to 6 p.m.	*	*	*	4·1	*
Hastings	*	*	*	15·2	*	Southport, 9 p.m.	63	57	8c	3·8	–
Eastbourne up to 6 p.m. ...	*	*	*	13·9	*	Manchester, 9 p.m. ...	68	56	cv	1·8	–
Brighton	*	*	*	14·9	*	Darwen, 9 p.m.	62	54	cvo	1·3	–

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 7. VII. 02	Temperature, F. Max. °	Temperature, F. Min. °	Weather.		Rain. Ins.	STATIONS. 6. VII. 02	Temperature, F. at 1 p.m. °	Weather.	Rain (measured at 7 a.m.) Ins.
						Information not yet rec^d			
Marseilles	88	61	c	c	—	Geneva			
Utrecht...	73	66	b	c	—	Berne			
Copenhagen...	64	52	o	f	—	Lucerne			
Prague	66	50	b	c	—	Lausanne			
Vienna	68	50	b	c	—	Lugano			
Buda-Pesth	72	55	c	b	—	Locarno			
St. Petersburg	63	54	c	o	—				
Rome	88	66	b	b	—				
Malta	84	76	?	c	—				
Madeira (Funchal)	72	59	c	o	—				

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* **AN ASTERISK** is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

8. VII. 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	3. 41	11. 58	8. 15
Greenwich	3. 54	12. 5	8. 16
Wick	3. 20	12. 17	9. 13
Valencia	4. 32	12. 46	8. 59

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " " £1 10 0 " Single Copies, 6d.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 9th July, 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Temp. Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.78	52	N	1	b	29.78	+.02	53	48	+3	NE	4	c	*	b	59	46	*	—
	Hernösand ...	29.76	51	Z	0	b	29.76	+.03	56	49	0	E	2	b	*	b	64	45	*	—
	Stockholm ...	29.74	53	S	2	b	29.69	−.02	55	52	+1	N	4	o	*	b	64	48	*	—
	Wisby	29.74	55	NE	2	b	29.66	−.01	57	52	+6	Z	0	c	*	bc	63	46	*	—
	Karlstad... ...	29.71	56	NE	2	r	29.71	−.04	55	54	−1	NE	2	o	*	r	*	*	*	0.16
	Færder (X'iania Fjord)	29.71	58	NNW	4	r	29.73	−.02	54	50	−3	N	5	o	2	r	64	54	*	0.12
	Bodö	29.86	50	NNW	1	c	29.91	+.12	47	43	−1	N	4	c	2	c	54	46	*	—
	Christiansund ...	29.96	49	N	2	o	29.93	+.03	49	45	0	NE	4	bc	3	o	50	45	*	—
	Skudesnaes ...	29.90	52	NNW	6	b	29.80	−.07	51	?	−2	NNW	2	b	1	b	55	48	*	*
BRITISH ISLANDS.	Sumburgh Head	29.98	49	NE	2	o	29.82	−.13	49	45	−1	ENE	1	o	3	o	52	43	*	—
	Stornoway ...	29.95	53	SE	2	r	29.68	−.36	52	52	0	Z	0	f	0	d,o,r	57	50	0.0	0.16
	Malin Head ...	29.92	57	W	7	o	29.73	−.27	55	55	−1	W	6	omp d	4	o	59	54	*	0.18
	Blacksod Pt. ...	30.02	59	SW	3	of	?29.88	−.15	58	56	−1	SW	4	odm	4	rm,of	60	55	*	0.17
	Valencia... ...	30.16	61	S	2	om	30.02	−.19	59	57	−1	SW	2	omp	4	om	62	56	0.0	0.02
	Roche's Point ...	30.15	68	WSW	4	bc	30.01	−.20	61	59	+2	WNW	3	o	2	bc	69	58	*	—
	Parsonstown ...	30.08	63	SW	2	r	29.94	−.19	58	57	−3	W	3	o	*	or	66	56	0.0	0.05
	Donaghadee ...	29.96	65	W	3	c	29.83	−.26	59	57	+5	W	2	o	2	cgp	65	54	*	0.13
	Liverpool Obsy.	30.03	66	WSW	4	o	29.89	−.28	62	60	+4	W	3	o	3	o,p	71	58	*	0.14
	Holyhead ...	30.07	58	SW	4	of	29.93	−.24	58	57	+1	SW	3	o	2	om,of	59	55	*	—
	Pembroke (St. Ann's)	30.17	57	WSW	3	f	29.99	−.22	57	57	0	SW	4	f	5	f	62	56	7.2	—
	Scilly (St. Mary's)...	30.23	64	NNW	3	b	30.12	−.14	59	58	−1	WSW	4	f	3	bc,b	66	57	10.1	—
	Jersey (St. Aubins)...	30.23	66	WNW	3	b	30.15	−.09	60	58	−8	W	3	of	3	bm,b	70	57	15.2	—
	Portland Bill ...	30.18	63	W	1	b	30.07	−.15	59	58	−1	W	2	b	2	b	65	57	*	—
	Dungeness ...	30.13	63	W	3	bc	30.04	−.18	63	60	−3	W	5	bc	3	bc	70	59	*	—
	Wick	29.92	53	N	2	o	29.76	−.23	49	47	−4	S	3	r	3	o	56	48	*	0.20
	Nairn	29.91	54	E	1	o	29.72	−.30	55	54	−2	W	1	c	1	o	62	50	*	0.09
	Aberdeen ...	29.95	51	ENE	2	org	29.74	−.29	51	51	−7	E	2	orgm	3	org	60	49	0.8	0.53
	Leith	29.90	60	Z	0	r	29.72	−.33	61	58	+2	WSW	2	o	*	r	61	56	*	0.18
	North Shields ...	29.95	58	S	1	r	29.80	−.30	62	60	+5	SW	1	o	2	rg,r	62	56	*	0.07
GERMANY, &c.	Spurn Head ...	30.02	60	S	2	r	29.87	−.27	62	60	+3	SW	2	c	2	r	66	58	*	0.13
	Yarmouth ...	30.03	66	Z	0	b	29.91	−.22	65	63	0	W	3	om	2	bo	67	61	*	—
	Loughborough ...	30.05	75	WSW	3	c	29.94	−.25	64	61	−1	WSW	3	om	*	o,com	77	63	*	—
	Oxford	30.10	68	SW	2	b	30.00	−.20	62	60	−3	SW	2	o	*	b	80	60	*	—
	London (Brixton)	30.08	81	W	2	b	30.01	−.19	64	61	−1	W	3	o	*	bc,c,o	84	59	11.8	—
	The Scaw (Skagen)	29.72	56	W	3	m	29.70	−.04	59	56	0	NE	3	c	1	m	63	54	*	—
	Fanö	29.93	55	WNW	6	c	29.84	−.12	56	53	−1	NW	4	o	*	c	61	54	*	—
	Cuxhaven ...	30.02	60	NW	3	o	29.87	−.16	58	56	−2	W	1	o	*	c	63	57	*	—
	The Helder ...	30.08	59	SW	1	r	29.90	−.23	62	61	+1	W	2	o	2	r	64	57	*	0.12
	Brussels... ...	*	*	*	*	*	30.02	−.16	68	63	0	SW	3	c	*	bo	78	57	*	—
	Berlin	29.98	62	WNW	4	o	29.88	−.12	58	56	−2	W	3	r	*	o	70	54	*	0.12
	Frankfürt ...	30.06	74	N	2	bc	30.01	−.14	70	63	+1	SW	2	c	*	bc	84	63	*	—
	Munich	30.16	72	Z	0	bc	30.13	−.11	72	62	+3	W	5	c	*	bc	81	64	*	—
FRANCE.	C. Gris Nez ...	30.17	65	SW	3	b	30.08	−.16	64	60	0	SSW	3	bc	3	b	77	59	*	—
	Brest	30.24	63	N	2	b	30.17	−.08	55	55	−1	NW	1	m	1	b	70	52	*	—
	Lorient	?30.17	79	WNW	2	b	30.19	−.03	66	62	−1	E	2	b	2	b	90	63	*	—
	Rochefort ...	30.10	76	NW	4	c	30.10	−.04	77	69	+4	ENE	2	b	*	c	86	68	*	—
	Biarritz	30.19	72	NNW	1	c	30.17	−.04	69	69	0	W	1	m	2	o	77	68	*	—
	Paris	30.15	81	WNW	2	b	30.14	−.08	66	61	−3	S	1	b	*	b	87	56	*	—
	Belfort	30.05	82	WSW	3	m	?30.07	−.09	69	64	+3	SW	2	m	*	m	86	64	*	—
	Lyons	30.11	86	NNE	6	b	30.14	−.04	77	64	+2	N	1	b	*	b	93	70	*	—
	Nice	30.04	74	WSW	3	b	30.00	−.11	76	70	+5	SW	2	b	1	b	82	64	*	—
	Perpignan ...	30.04	91	SW	2	c	30.08	−.05	86	79	+7	SW	1	b	*	c	97	75	*	—
SPAN. PEN.	Corunna ...																		*	
	Lisbon														*				*	
	Azores (P. Delgada)																		*	

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR WEDNESDAY 9TH JULY, 1902

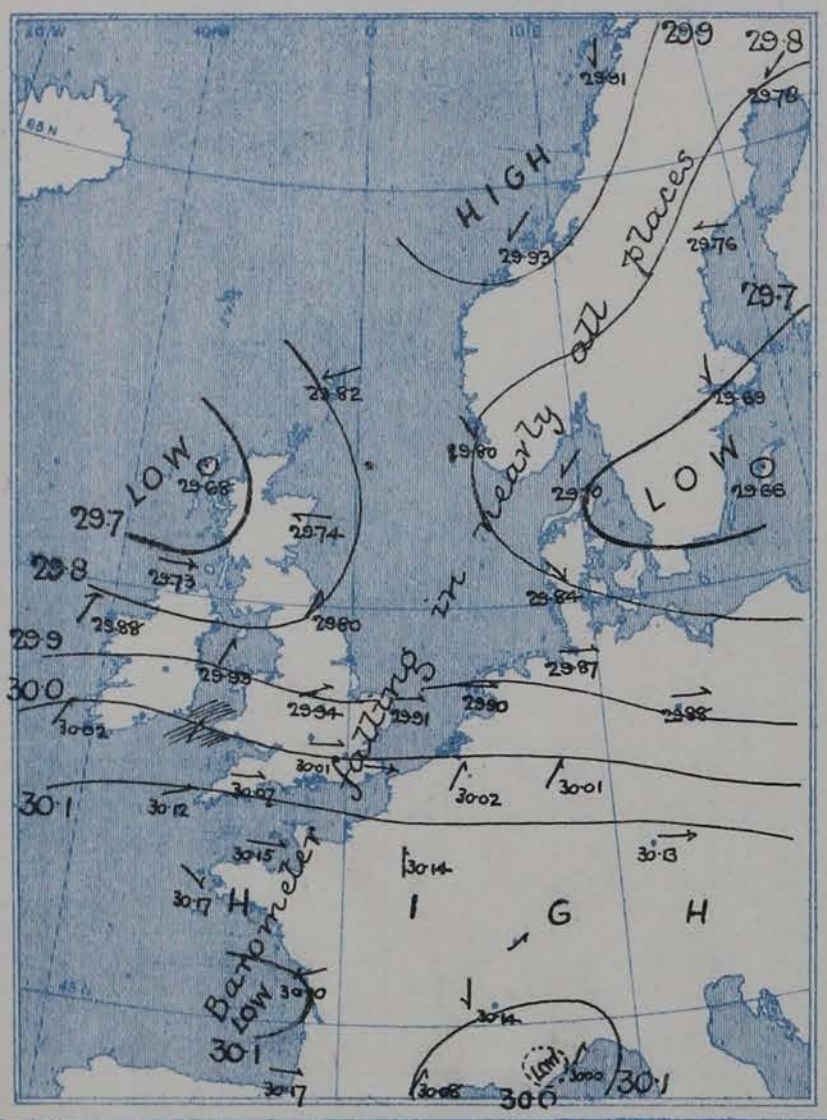
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

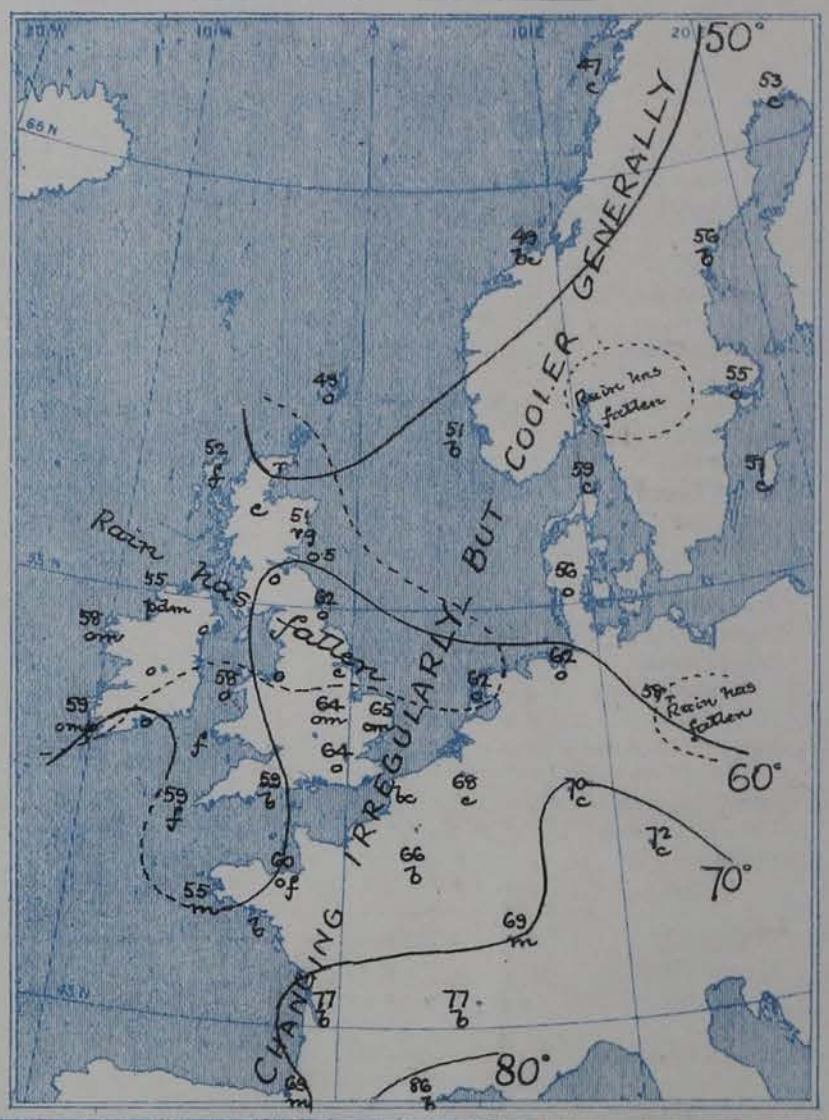


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

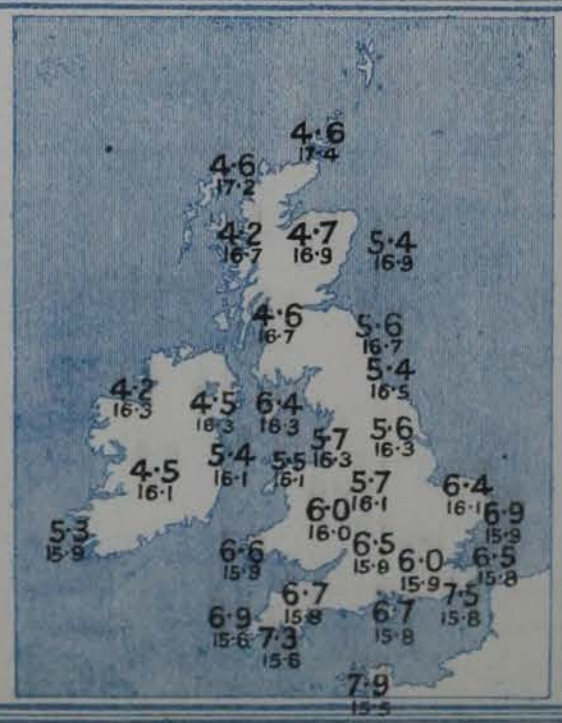


III. BAROMETER AND WIND

Yesterday morning.

IV. *Means of Daily Recorded* BRIGHT SUNSHINE *(1881–1900), together with Means of Possible Duration for* JULY.

Specimen (for Stornaway) { *Average No. of Hours daily* 4·6 ; *Total Possible* 17·2 }



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Monthly period* JULY. *(1871–1900)*

GENERAL SITUATION AT 8 A.M.

PRESSURE

The distribution of pressure over northwestern Europe has again become very complex. The barometer is highest, (1) over France, and (2) off the northwest of Norway, while it is lowest, (1) over the south of Sweden, (2) off the northwest of Scotland, and additional disturbances are approaching the west of Ireland from the Atlantic. The highest readings reported are 30·19 ins. at Lorient, and 29·93 ins. at Christiansund, the lowest 29·66 ins. at Wisby, and 29·68 ins at Stornoway.

WIND TEMPERATURE WEATHER AND SEA

The winds reported are Westerly over France, Northeasterly in the northwest of Norway; in England they are Westerly and Southwesterly; in the west of Ireland South-southwesterly; in the south of Sweden they are Northerly, and in Germany, Westerly; in force they are moderate generally. Temperature is falling in the northeast of Scotland. In our Islands this morning's readings range from 64° in London and 61° at Roche's Point, to 55° at Malin Head and 49° at Wick. The values over the southeast of England are rather high, those in Scotland are rather low, and those in Ireland are about the average. The weather is unsettled over western Europe, fine and bright over France, cloudy over our Islands, with fog or haze on our southwestern coasts, rain in the extreme west and north. The sea is moderate in the west, slight or smooth elsewhere.

During yesterday temperature touched 84° in London and 80° at Oxford, in the more northern and western parts of our Islands it was not nearly so high. Some rain fell in Ireland and Scotland, and also (sporadically) in Germany. Bright sunshine amounted to 15 hours at Jersey; in Ireland and Scotland there was none or very little.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the new depression in the west advances eastwards the weather is likely to become rainy over England and the north of France, as well as at the more northern stations. Thunderstorms are not improbable.

FORECASTS*

For the 24 hours ending at NOON on 10TH JULY 1902

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S.W. to E.N.E. winds, variable, not strong; rainy, gloomy.
1	SCOTLAND EAST	
2	ENGLAND N.E.	W.N.W. to S.W. winds, becoming rainy and unsettled, with lower temperature.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos 0 and 1.
7	ENGLAND N.W.	S.W. to W.N.W. winds, freshening; rainy.
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	o	*	b	75	61	12.6	–
Newton Reigny (Penrith)	29.98	61	sw 2	r	29.81	–.30	60	59	+ 4	sw 4	o	*	ogr	65	54	1.0	0.19
Bath	30.15	71	w 4	b	30.03	–.19	61	60	+ 1	w 3	o	*	b	75	59	11.5	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Harrogate, up to 6 p.m.	62	54	o	0.0	0.14	Worthing	*	*	*	14.1	*
Birmingham, 9 p.m.	78	54	c	7.5	–	Llandudno	*	*	*	1.7	*
Lowestoft, up to 6 p.m. ...	68	54	c	6.6	–	Rhyl up to 6 p.m.	*	*	*	1.3	*
Hastings	*	*	*	15.1	*	Southport, 9 p.m.	64	56	odp	0.0	0.13
Eastbourne up to 6 p.m. ...	*	*	*	13.5	*	Manchester, 9 p.m. ...	71	54	or	0.0	–
Brighton	*	*	*	14.5	*	Darwen, 9 p.m.	61	51	omr	0.0	0.47

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 8. July-1902	Temperature, F. Max. °	Temperature, F. Min. °	Weather.		Rain. Ins.	STATIONS. 7. July-1902.	Temperature, F. at 1 p.m. °	Weather. 1 pm	Rain (measured at 7 a.m.) Ins.
Marseilles	90	64	b	bc	–	Geneva	84	b	–
Utrecht	79	54	o	c	–	Berne	86	b	–
Copenhagen	68	57	c	o	–	Lucerne	84	b	–
Prague	81	57	c	o	–	Lausanne	?	?	–
Vienna	75	59	b	c	–	Lugano	88	b	–
Buda-Pesth	79	59	b	c	–	Locarno	?	?	–
St. Petersburg	66	54	c	c	–				
Rome	91	64	b	b	–				
Malta	79	77	?	b	–				
Madeira (Funchal)	72	61	b	o	–				

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

9. VII., 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	3.42	11.58	8.14
Greenwich	3.55	12.5	8.15
Wick	3.21	12.17	9.12
Valencia	4.33	12.46	8.59

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 10th July, 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Temp. Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.79	50	N	2	o	29.83	+.05	50	46	− 3	NE	4	o	*	o	?59	43	*	—
	Hernösand ...	29.76	51	Z	o	o	29.76	o	55	48	− 1	E	4	o	*	o	61	41	*	—
	Stockholm ...	29.74	53	NNE	2	8	29.66	−.03	54	50	− 1	E	2	c	*	8	61	48	*	—
	Wisby	29.72	53	Z	o	8	29.60	−.06	54	50	− 3	SE	4	o	*	8	63	46	*	0.12
	Karlstad... ...	29.73	59	NE	2	o	29.60	−.11	54	47	− 1	ENE	6	o	*	o	*	*	*	0.20
	Færder (X'iania Fjord)	29.70	59	NE	2	o	29.47	−.26	55	52	+ 1	E	5	?	3	o	61	54	*	0.04
	Bodö	29.88	50	N	4	8c	29.79	−.12	54	48	+ 7	ENE	4	8	1	8c	54	46	*	—
	Christiansund ...	29.77	50	NE	8	8	29.59	−.34	52	48	+ 3	NE	4	8	4	8	52	45	*	—
	Skudesnaes ...	29.67	53	SSW	2	8	29.36	−.44	55	52	+ 4	NE	6	r	2	8	55	48	*	*
BRITISH ISLANDS.	Sumburgh Head	29.61	48	NE	2	o	29.49	−.33	49	48	0	NE	4	o	5	o	52	46	*	0.19
	Stornoway ...	29.53	56	NE	1	o	29.66	−.02	47	47	− 5	NNE	5	o	5	od, o	57	45	0.0	0.36
	Malin Head ...	29.62	55	W	6	cgr	29.64	−.09	52	50	− 3	N	8	cgp	6	c,cgr	59	48	*	0.25
	Blacksod Pt. ...	29.79	58	WNW	5	cm	29.87	−.02	55	51	− 3	NW	7	cg	6	8m,cm	60	50	*	0.12
	Valencia... ...	29.93	59	WSW	5	c	29.94	−.08	57	53	− 2	NW	4	cp	4	c	62	54	5.1	0.04
	Roche's Point ...	29.89	65	NNW	4	8cp	29.85	−.16	58	54	− 3	NW	5	8c	3	c,8cp	65	54	*	0.02
	Parsonstown ...	29.81	60	W	4	c	29.80	−.14	55	51	− 3	W	5	cgp	*	c	64	52	3.6	0.06
	Donaghadee ...	29.66	60	NW	3	cp	29.60	−.23	52	51	− 7	NW	5	gp	4	cp	63	51	*	0.31
	Liverpool Obsy.	29.71	56	WSW	4	r	29.58	−.31	54	52	− 8	W	7	o	5	op	63	53	*	0.19
	Holyhead ...	29.74	56	W	3	cp	29.66	−.27	54	53	− 4	W	6	op	4	cm.4,cp	58	52	*	0.19
	Pembroke (St. Ann's)	29.84	57	WSW	5	c	29.75	−.24	56	54	− 1	W	5	cg8	5	c	59	54	2.0	0.14
	Scilly (St. Mary's)...	29.97	63	WNW	4	rf	29.91	−.21	58	57	− 1	WNW	5	cp	4	c,f,rf	65	56	0.3	0.03
	Jersey (St. Aubins)...	29.96	62	WNW	4	8c	29.88	−.27	59	56	− 1	W	5	cm	4	cf,8c,r	64	56	6.6	0.15
	Portland Bill ...	29.90	58	WSW	4	r	29.80	−.27	57	56	− 2	W	4	c	4	8c,r	63	55	*	0.27
	Dungeness ...	29.82	59	WSW	6	f	29.73	−.21	62	57	− 1	WNW	6	8c	4	8c,f	65	55	*	0.23
	Wick	29.57	49	N	3	r	29.53	−.23	51	49	+ 2	N	3	r	2	r	?51	45	*	0.40
	Nairn	29.49	56	Z	0	r	29.60	−.12	51	49	− 4	N	3	c	2	8,r	62	46	*	0.39
	Aberdeen ...	29.47	52	NNE	2	r	29.48	−.26	51	49	0	NW	3	cp	3	cm,r	56	47	0.1	0.46
	Leith	29.55	60	WSW	1	o	29.50	−.22	53	51	− 8	NE	1	o	*	o	63	52	*	0.07
	North Shields ...	29.62	62	SW	3	c	29.50	−.30	50	50	− 12	N	2	p	2	op,c	64	50	*	0.06
	Spurn Head ...	29.66	59	WSW	4	c	29.52	−.35	58	55	− 4	W	5	c	3	c	63	53	*	0.15
	Yarmouth ...	29.76	61	WNW	3	r	29.59	−.32	59	54	− 6	WSW	5	c	2	cp,r	68	52	*	0.45
	Loughborough ...	29.77	57	WSW	3	o	29.62	−.32	57	54	− 7	WSW	4	8cr	*	or,8c	69	52	*	0.16
	Oxford	29.80	57	WSW	3	c	29.69	−.31	57	53	− 5	SW	3	o	*	o,r	66	52	*	0.17
	London (Brixton)	29.85	62	WSW	2	or	29.70	−.31	59	54	− 5	W	3	c	*	or,8r	75	52	0.3	0.25
GERMANY, &c.	The Scaw (Skagen)	29.67	60	Z	o	c	29.34	−.36	57	57	− 2	S	5	o	1	c	64	55	*	0.24
	Fanö	29.58	58	SW	2	r	29.34	−.50	57	55	+ 1	WSW	6	c	*	r	59	55	*	0.32
	Cuxhaven ...	29.76	61	WSW	1	r	29.47	−.40	59	56	+ 1	WSW	5	c	*	r	63	57	*	0.59
	The Helder ...	29.77	62	WSW	1	o	29.57	−.33	59	56	− 3	W	5	8c	5	o	64	57	*	0.39
	Brussels... ...	*	*	*	*	*	29.73	−.29	60	55	− 8	W	2	c	*	c	82	56	*	0.20
	Berlin	29.80	63	SW	2	r	29.52	−.36	64	62	+ 6	WSW	4	r	*	r	66	?58	*	0.20
	Frankfürt ...	29.81	71	S	1	o	29.71	−.30	65	60	− 5	WNW	2	o	*	o	86	63	*	0.16
	Munich	29.99	73	Z	o	8	29.86	−.27	68	60	− 4	W	7	c	*	8	82	64	*	0.04
FRANCE.	C. Gris Nez ...	29.90	58	WSW	6	f	29.78	−.30	58	57	− 6	WSW	6	8	5	f	70	55	*	0.24
	Brest	30.05	59	NW	1	m	30.02	−.15	57	55	+ 2	WNW	2	c	3	m	64	55	*	0.08
	Lorient	30.04	72	W	3	8c	29.99	−.20	62	56	− 4	WNW	4	c	2	8c	81	57	*	—
	Rochefort ...	29.97	78	W	3	8	29.98	−.12	67	65	− 10	NW	3	o	*	8	88	66	*	—
	Biarritz	30.02	71	NNW	1	m	30.09	−.08	67	67	− 2	W	4	o	2	f	77	66	*	—
	Paris	29.92	82	WSW	3	8	29.86	−.28	59	57	− 7	WNW	3	o	*	8	82	59	*	0.04
	Belfort	29.88	82	WSW	2	8	29.76	−.31	68	64	− 1	WSW	2	o	*	8	86	62	*	0.04
	Lyons ...	29.95	86	E	1	o	29.87	−.27	74	64	− 3	WSW	1	c	*	8	94	68	*	—
	Nice	29.89	77	SW	3	8	29.88	−.12	72	68	− 4	Z	0	f	0	8	82	64	*	—
	Perpignan ...	29.96	84	SW	3	8	29.95	−.13	82	68	− 4	W	3	8c	*	8	101	73	*	—
SPAN. PEN.	Corunna ...																		*	
	Lisbon	30.01	66	NNW	4	8	30.02	−.10	66	63	− 4	NW	3	o	*	8	77	64	*	—
	Azores (P. Delgada)	30.41	67	N	4	m	30.37	−.04	67	66	− 2	N	2	m	1	m	75	66	*	—

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR THURSDAY 10TH JULY, 1902

I. BAROMETER, WIND AND SEA. *This Morning.*

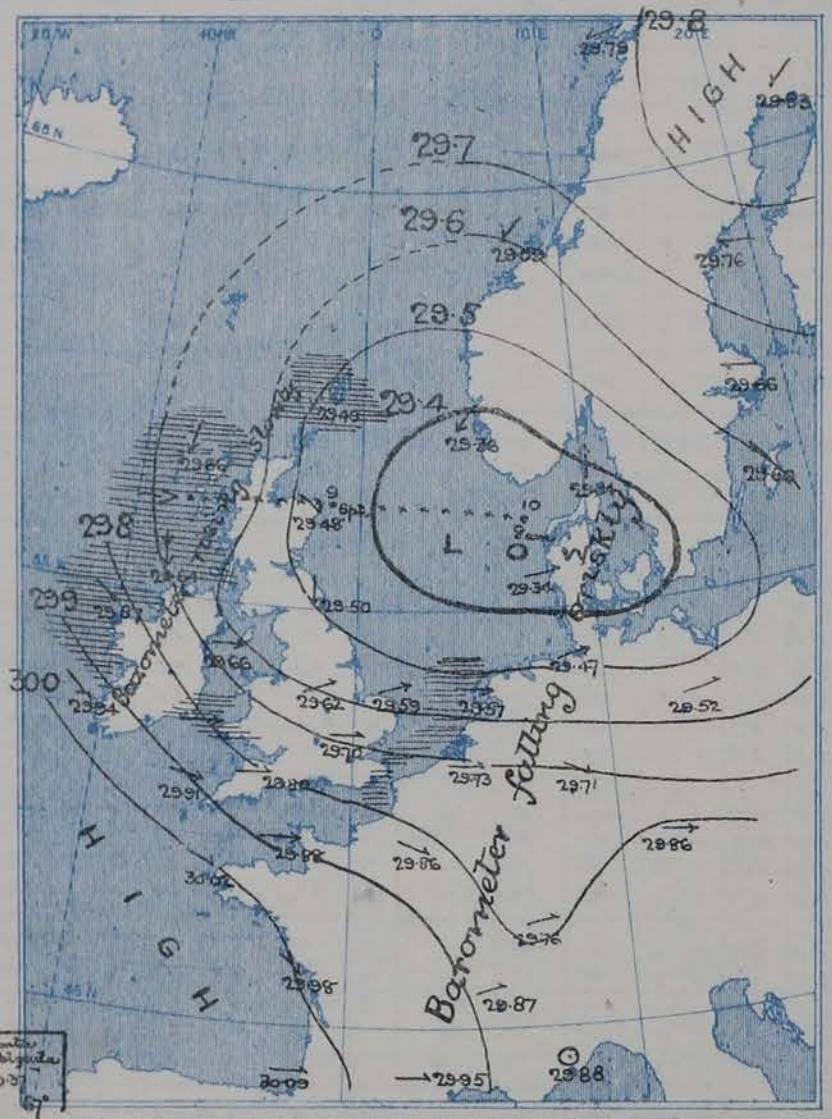
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough ▒ : *High* ▓

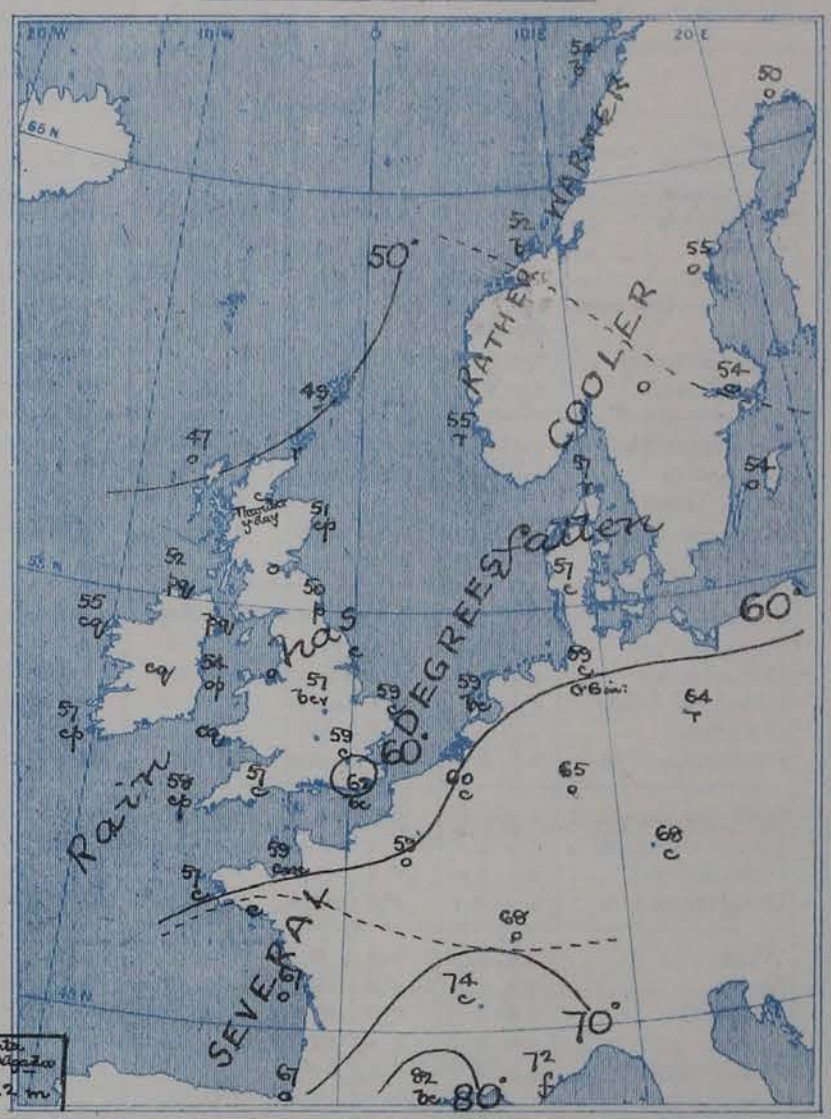


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



III. BAROMETER AND WIND

Yesterday morning.

IV. *Means of Daily Recorded* BRIGHT SUNSHINE *(1881–1900), together with Means of Possible Duration for* JULY.

Specimen (for Stornaway) { *Average No. of Hours daily* 4·6 ; *Total Possible* 17·2 }

V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Monthly period* JULY. *(1871–1900)*

GENERAL SITUATION AT 8 A.M.

PRESSURE

This morning the barometer is highest over the Bay of Biscay and south of Ireland, and is rather high over Lapland also. The depression which was approaching the west of Scotland yesterday proves to be somewhat complex, and has passed eastwards to Denmark and the eastern parts of the North Sea. Readings range from 30·09 ins. at Biarritz, and 29·83 ins. at Haparanda, to 29·54 ins. both at Faris and the Skaw, and 29·36 ins. at Sudesnaes.

WIND

The wind is Northerly in Scotland and the north of Ireland, Northwesterly on the other parts of the Irish coast, and Westerly over England. It blows strongly (a gale in some places) on our western and northwestern coasts, and is fresh to strong over England and the north of France. Over Scandinavia there is a strong breeze from East, and in Denmark from West.

TEMPERATURE

Temperature is falling in our Islands; it now ranges from 62° at Dungeness, 59° in London, and 58° at Scilly, to 51° at Aberdeen, 49° at Sumburgh Head, and 47° at Stornoway. The British and Irish values are all below the average. At Perpignan the temperature is 82°, at Berlin 64°, but in Scandinavia it is much below 60°.

WEATHER AND SEA

Weather is cloudy over England, squally and showery at the western and northern stations. Sea is rather rough in the north and west.

During yesterday the maximum temperatures were much lower than those of Tuesday. Bright sunshine was considerable on our southern coasts, slight elsewhere. Rain has fallen generally during some parts of the day, but not very heavy anywhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the northeast is passing off; in its rear rather strong Northerly to Northwesterly winds are likely to prevail generally with showers. A clear cool night is probable over England.

FORECASTS*

For the 24 hours ending at NOON on 11th July 1902

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N^ly winds, fresh to strong; showery, cool.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	NW^ly and N^ly winds, strong; squally showery.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos. 0 to 2.
7 ENGLAND N.W.	
8 ENGLAND S.W.	Same as Nos. 3 to 5.
9 IRELAND NORTH	N^ly and NW^ly winds, strong to moderate; cooler, showery to fair.
10 IRELAND SOUTH	
WARNINGS	— None Issued —

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	3c	*	o	70	53	0·4	0·27
Newton Reigny (Penrith)	29.62	56	sw 2	r	29.50	-·31	54	53	- 6	w 3	9r	*	09r	61	51	0·0	0·19
Bath	29.87	59	w 3	r	29.74	-·29	58	54	- 3	w 3	o	*	r	66	54	0·0	0·16

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs	Rainfall. Ins.
Harrogate, up to 6 p.m.	63	57	oc	0·0	0·08	Worthing	*	*	*	8·9	*
Birmingham, 9 p.m.	65	55	c	0·2	0·25	Llandudno	*	*	*	0·5	*
Lowestoft, up to 6 p.m. ...	68	58	or	0·0	0·33	Rhyl up to 6 p.m.	*	*	*	0·6	*
Hastings	*	*	*	11·2	*	Southport, 9 p.m.	62	56	cop	0·4	0·06
Eastbourne up to 6 p.m. ...	*	*	*	10·6	*	Manchester, 9 p.m. ...	63	56	3v	0·5	0·20
Brighton	*	*	*	8·2	*	Darwen, 9 p.m.	60	53	omu	6·0	0·68

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 9. VII. 02	Temperature, F. Max. °	Temperature, F. Min. °	Weather.		Rain. Ins.	STATIONS. 8. VII. 02	Temperature, F. at 1 p.m. °	Weather. 1 p.m.	Rain. (measured at 7 a.m.) Ins.
Marseilles	86	66	o	b	—	Geneva	84	b	—
Utrecht	72	63	o	r	0·32	Berne	86	b	—
Copenhagen	66	54	o	o	—	Lucerne	84	b	0·08
Prague	75	63	r	r	0·28	Lausanne	?	?	—
Vienna	82	63	o	o	—	Lugano	93	b	—
Buda-Pesth	82	64	b	o	—	Locarno	?	?	—
St. Petersburg	?	?	o	c	—				
Rome	90	66	b	b	—				
Malta	78	59	?	b	—				
Madeira (Funchal) no rec.									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

10 VII., 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	3.43	11.58	8.14
Greenwich	3.56	12.5	8.14
Wick	3.22	12.17	9.11
Valencia	4.34	12.46	8.58

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Friday, 11th July, 1902

Issued by the Meteorological Office, 63, Victoria Street, London. **W. N. SHAW, Secretary.**

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday.	Wind. Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.78	47	NE	2	r	29.68	-.15	49	48	- 1	NNE	4	o	*	r	55	47	*	—
	Hernösand ...	29.68	50	E	4	o	29.61	-.15	48	48	- 7	E	2	r	*	o	59	43	*	0.04
	Stockholm ...	29.49	51	SE	4	o	29.31	-.35	51	51	- 3	NE	8	r	*	r	61	43	*	0.36
	Wisby	29.21	52	E	8	r	29.27	-.33	52	51	- 2	W	5	f	*	r	61	45	*	0.40
	Karlstad... ...	29.46	51	NE	6	r	29.48	-.12	51	48	- 3	NE	2	o	*	r	*	*	*	0.32
	Færder (X'iania Fjord)	29.42	53	ENE	6	r	29.54	+.07	52	48	- 3	NNE	5	c	2	r	55	52	*	0.79
	Bodö	29.73	57	E	2	3o	29.74	-.05	56	48	+ 2	E	2	3	1	3c	57	50	*	—
	Christiansund ...	29.50	65	NE	1	3	29.60	+.01	55	51	+ 3	N	2	c	1	3	65	50	*	—
	Skudesnaes ...	29.46	59	z	0	0	29.60	+.24	54	51	- 1	NNW	6	c	2	o	61	50	*	*
BRITISH ISLANDS.	Sumburgh Head	29.66	48	N	5	o	29.87	+.38	47	44	- 2	N	4	c	6	o	51	44	*	0.02
	Stornoway ...	29.90	50	NNE	7	o	30.09	+.43	46	45	- 1	NNW	3	cpg	3	o	54	43	0.9	0.05
	Malin Head ...	29.93	53	N	8	o	30.15	+.51	51	49	- 1	N	4	c	4	c	55	42	*	0.03
	Blacksod Pt. ...	30.07	56	NW	6	3c	30.21	+.34	56	50	+ 1	WNW	2	3c	2	3m,3c	58	46	*	0.01
	Valencia... ...	30.12	58	NW	5	3cg	30.27	+.33	57	52	0	z	0	3c	3	cg,3cg	60	48	10.2	0.01
	Roche's Point ...	30.00	60	NNW	5	3c	30.26	+.41	57	52	- 1	NW	1	3	1	3,3c	62	48	*	—
	Parsonstown ...	29.99	58	NW	6	3	30.23	+.43	55	50	0	NW	2	3	*	cgp	62	43	8.3	0.05
	Donaghadee ...	29.94	55	N	6	3	30.14	+.54	53	49	+ 1	N	3	3	3	3	56	47	*	0.05
	Liverpool Obsy.	29.75	54	WNW	7	o	30.10	+.52	52	48	- 2	NW	4	op	4	o	55	50	*	0.20
	Holyhead ...	29.88	55	NW	7	cg	30.14	+.48	54	50	0	N	6	cg	5	3cgp	57	50	*	0.04
	Pembroke (St. Ann's)	29.92	57	NW	6	c	30.18	+.43	53	51	- 3	NW	5	cg	4	c	59	50	7.8	—
	Scilly (St. Mary's)...	29.99	61	WNW	5	c	30.21	+.30	59	56	+ 1	NNW	4	c	4	c	64	55	9.8	—
	Jersey (St. Aubins)...	29.90	61	WNW	5	3	30.16	+.28	59	52	0	WNW	4	3c	3	3	63	53	11.0	0.01
	Portland Bill ...	29.83	56	NW	5	cp	30.12	+.32	57	54	0	NNW	4	3	3	3c,cp	60	52	*	0.02
	Dungeness ...	29.70	55	NW	5	3cg	30.02	+.29	58	58	- 4	N	6	3	3	c,3cg	67	51	*	0.05
	Wick	29.77	46	N	4	o	29.99	+.46	49	46	- 2	N	5	o	3	o	52	43	*	0.05
	Nairn	29.80	51	N	3	c	30.04	+.44	50	46	- 1	N	2	c	2	c	53	44	*	0.03
	Aberdeen ...	29.70	49	NNW	5	ogp	29.98	+.50	51	45	0	NW	4	3cg	4	3cg,ogp	57	45	2.3	0.02
	Leith	29.73	56	NNW	3	o	30.05	+.55	53	48	0	NW	2	c	*	o	60	46	*	0.08
	North Shields ...	29.67	55	N	2	3c	30.02	+.52	51	47	+ 1	NW	3	o	3	3cp	55	46	*	0.02
	Spurn Head ...	29.60	54	NW	4	c	29.95	+.43	52	48	- 6	NW	6	c	4	3,3r,c	60	47	*	0.38
	Yarmouth ...	29.56	55	NW	4	c	29.94	+.35	53	47	- 6	NW	4	c	4	3,3r,c	62	50	*	0.37
	Loughborough ...	29.69	52	NW	3	o	30.06	+.44	57	50	0	WNW	3	cwy	*	3,3rh,d	62	45	*	0.17
	Oxford	29.80	50	WNW	3	o	30.10	+.41	53	49	- 4	NW	2	o	*	opg,3	64	50	*	0.04
	London (Brixton)	29.70	58	WNW	6	o	30.06	+.36	54	51	- 5	NW	2	3c	*	3,pg,3	65	51	5.6	0.38
GERMANY, &c.	The Scaw (Skagen)	29.21	56	SE	2	r	29.44	+.10	53	50	- 4	NE	6	o	2	r	59	52	*	0.71
	Fanö	30.25	56	W	6	r	29.40	+.06	55	54	- 2	N	6	c	*	r	61	52	*	0.28
	Cuxhaven ...	29.43	58	WSW	6	o	29.40	-.07	56	54	- 3	NW	6	r	*		61	54	*	0.47
	The Helder ...	29.49	57	WNW	4	c	29.78	+.21	58	55	- 1	NW	6	o	7	c	63	55	*	0.24
	Brussels... ...	*	*	*	*	*	29.93	+.20	55	53	- 5	NW	4	r	*	r	66	48	*	0.35
	Berlin	29.52	65	W	1	c	29.45	-.07	56	54	- 8	WSW	4	r	*	c	73	54	*	0.16
	Frankfürt ...	29.63	62	W	6	c	29.80	+.09	57	51	- 8	W	6	o	*	c	73	54	*	—
	Munich	29.76	60	W	5	r	29.91	+.05	56	49	- 12	W	7	3	*	r	77	52	*	0.67
FRANCE.	C. Gris Nez ...	29.72	57	WSW	6	o	30.01	+.23	56	53	- 2	NW	6	o	6	o	68	54	*	0.32
	Brest	30.05	61	WNW	2	3c	30.19	+.17	57	54	0	N	2	3	2	3c	64	55	*	—
	Lorient	30.00	65	NW	5	3c	30.17	+.18	59	54	- 3	N	3	3	2	3c	68	50	*	—
	Rochefort ...	29.97	68	NW	5	c	30.15	+.17	61	56	- 6	NE	3	3c	*	c	72	55	*	—
	Biarritz	30.08	68	WNW	4	o	30.18	+.09	68	61	+ 1	NNW	3	3	2	o	70	63	*	0.08
	Paris	29.82	64	W	4	o	30.06	+.20	57	53	- 2	WNW	3	o	*	o	72	53	*	0.04
	Belfort	29.71	68	WSW	7	c	29.99	+.23	53	50	- 15	?	7	c	*	c	79	49	*	0.12
	Lyons	29.82	80	W	2	c	30.13	+.26	57	50	- 17	NW	3	3	*	3rh	88	56	*	0.24
	Nice	29.78	74	WSW	2	o	29.63	-.25	77	58	+ 5	WSW	6	3	6	r	82	68	*	—
	Perpignan ...	29.88	80	SW	1	o	30.03	+.08	67	59	- 15	NW	3	3	*	o	99	65	*	0.08
SPAN. PEN.	Corunna ...																		*	
	Lisbon	29.88	67	NNE	3	o	29.76	-.26	74	64	+ 8	NE	5	o	*	o	72	66	*	0.08
	Azores (P. Delgada)	30.31	66	NE	4	m	30.21	-.16	66	65	- 1	NNE	5	m	4	m	72	64	*	

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR Friday 11th JULY, 1902

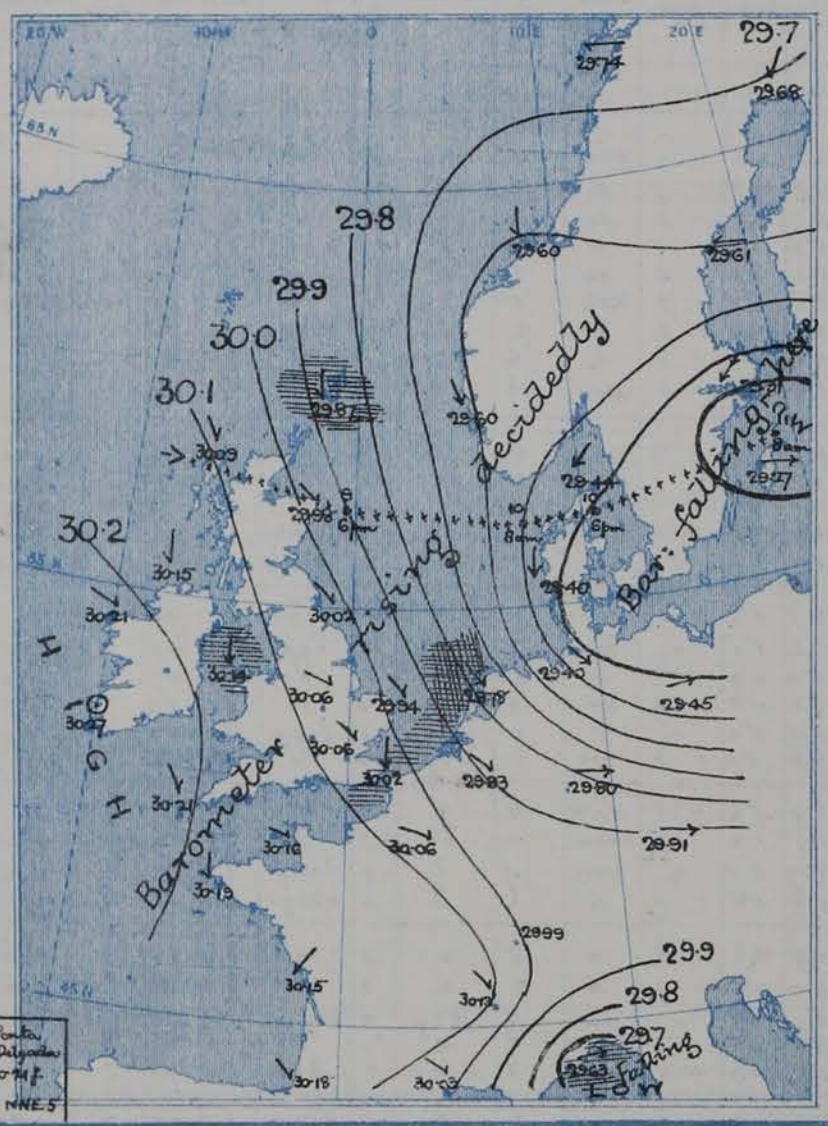
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

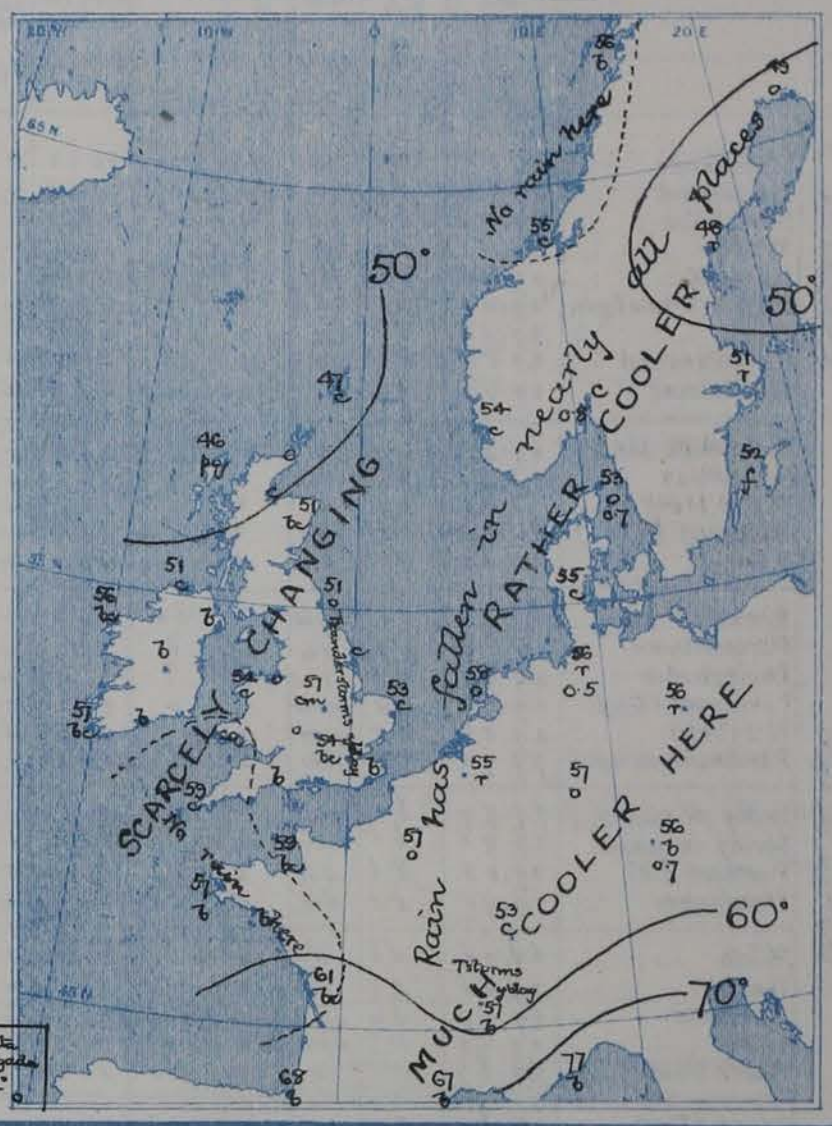


II. TEMPERATURE AND WEATHER. *This Morning*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



III. BAROMETER AND WIND

Yesterday morning.

IV. *Means of Daily Recorded* BRIGHT SUNSHINE *(1881–1900), together with Means of Possible Duration for* JULY.

Specimen (for Stornaway) { *Average No. of Hours daily* 4·6 ; *Total Possible* 17·2 }

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Monthly period

JULY (1871–1900)

GENERAL SITUATION AT 8 A.M.

PRESSURE

The depression observed in our neighbourhood during the past two days has now reached the Baltic, and the barometer has risen quickly over the United Kingdom. Readings now range from 30·27 ins. at Valencia, to 29·27 ins. at Wisby. There is a shallow secondary disturbance of considerable size over the south of Norway.

WIND TEMPERATURE WEATHER AND SEA

The wind is Northerly in Scotland, North-westerly over Ireland and England; it still blows very freshly in the east, but is light to calm in Ireland. On the eastern shores of the North Sea it is very strong from the Northward, but in Germany it is Westerly. Temperature has fallen over our eastern districts; in our Islands it varies from 59° at Scilly, to 46° at Stornoway, and is below the average at all stations – especially in the north. At Nice it is as high as 77°. The weather is fine in Ireland and several parts of England and France. In Denmark and Holstein it is dull and rainy. The sea is rather rough on exposed parts of our coast.

During yesterday the maximum temperatures did not exceed 67° in any part of our Islands, and many of the night minima were below 50°. Rain fell generally; thunderstorms and hail were experienced over England. Bright sunshine lasted for 11 hours at Jersey, 10 hours at Valencia, and 8 hours on our south coast, but at Rhyl and Southport there was hardly any.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A few more showers are probable over our eastern and northern counties today, but on the whole the weather is improving. A fine cool night is expected over Great Britain tonight.

FORECASTS*

For the 24 hours ending at NOON on 12 July, 1902

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH; 1 SCOTLAND EAST	N^ly winds, fresh; showery. Finer and cooler tonight, warmer tomorrow.
2 ENGLAND N.E.; 3 ENGLAND EAST; 4 MIDLAND COUNTIES; 5 ENGLAND SOUTH	NW^ly and N^ly winds, fresh; showers, bright intervals. Very cool tonight.
6 SCOTLAND WEST; 7 ENGLAND N.W.	Similar to N°s 0 and 1.
8 ENGLAND S.W.	NW^ly winds moderate; fine. Wind backing later.
9 IRELAND NORTH; 10 IRELAND SOUTH	N^ly to W^ly winds, light; a few showers, then fine. Warmer tomorrow.
WARNINGS	— None Issued —

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea.	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	3c	*	c	64	48	5·3	0·10
Newton Reigny (Penrith)	29·77	51	NW 3	0	30·04	+·54	50	46	− 4	NW 2	3	*	0gr,3c	55	42	0·0	0·42
Bath	29·78	60	W 5	c	30·10	+·34	56	50	− 2	W 2	3	*	c	63	48	7·3	0·03

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Harrogate, up to 6 p.m.	60	49	0	1·3	0·23	Worthing	*	*	*	8·1	*
Birmingham, 9 p.m.	60	50	0	2·0	0·15	Llandudno	*	*	*	2·0	*
Lowestoft, up to 6 p.m. ...	63	51	0	4·0	0·35	Rhyl up to 6 p.m.	*	*	*	0·5	*
Hastings	*	*	*	8·0	*	Southport, 9 p.m.	57	52	0gr,c	0·5	0·31
Eastbourne up to 6 p.m. ...	*	*	*	8·0	*	Manchester, 9 p.m. ...	61	52	0r	0·0	0·29
Brighton	*	*	*	7·5	*	Darwen, 9 p.m.	54	48	0u	0·0	0·76

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 19. VII. 02	Temperature, F. Max. °	Temperature, F. Min. °	Weather.		Rain.	STATIONS. 9. VII. 02	Temperature, F. at 1 p.m. °	Weather. 1pm	Rain (measured at 7 a.m.)
					Ins.				Ins.
Marseilles	100	68	0	0	—	Geneva	90	b	—
Utrecht	70	56	0	c	0·12	Berne	84	bc	—
Copenhagen	66	55	0	r	0·39	Lucerne	88	b	—
Prague	72	63	0	b	0·43	Lausanne	?	?	—
Vienna	75	61	0	b	0·28	Lugano	95	b	—
Buda-Pesth	79	64	0	b	—	Locarno	?	?	—
St. Petersburg	?	?	r	0	—				
Rome	91	68	b	b	—				
Malta	82	75	?	bc	—				
Madeira (Funchal) Not rec'd									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

11. VII. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
	h. m.	h. m.	h. m.
Yarmouth	3. 44	11. 58	8. 13
Greenwich	3. 57	12. 5	8. 13
Wick	3. 23	12. 17	9. 10
Valencia	4. 35	12. 46	8. 58

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" Weekly " " " £1 10 0 " Single Copies, 6d.

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† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 12th July, 1902

Issued by the Meteorological Office, 63, Victoria Street, London. **W. N. SHAW**, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Temp. Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.67	50	NE	2	0	29.68	0	52	50	+ 3	NE	2	0	*	0	54	46	*	0.16
	Hernösand ...	29.64	51	Z	0	0	29.62	+.01	51	49	+ 3	N	6	T	*	0	57	46	*	0.12
	Stockholm ...	29.44	51	NE	4	T	29.49	+.18	50	49	− 1	NNW	4	T	*	T	55	48	*	0.78
	Wisby	29.44	51	NW	6	T	29.49	+.22	50	49	− 2	NNW	8	T	*	T	57	45	*	0.12
	Karlstad... ...	29.62	54	NE	2	3c	29.69	+.21	55	50	+ 4	W	4	3	*	3c,T	*	*	*	—
	Færder (Christiania Fjord)	29.61	58	WSW	5	3	29.73	+.19	58	52	+ 6	NNW	4	3c	2	3	58	52	*	—
	Bodö	29.69	55	NNE	2	3c	29.74	0	51	48	− 5	SSW	1	3c	1	3c	56	48	*	—
	Christiansund ...	29.73	57	WNW	1	3c	29.86	+.26	53	49	− 2	WNW	4	c	2	3c	57	46	*	—
	Skudesnaes ...	29.85	49	NNW	8	0	29.98	+.38	52	48	− 2	NNW	6	c	3	0	57	46	*	*
BRITISH ISLANDS.	Sumburgh Head	30.00	49	NW	4	3c	29.97	+.10	50	47	+ 3	W	3	0	4	3c	52	45	*	—
	Stornoway ...	30.14	56	NW	3	0	29.94	−.15	49	48	+ 3	S	4	0T	4	0	57	44	3.7	0.04
	Malin Head ...	30.18	56	WNW	2	3	29.91	−.24	57	57	+ 6	SSW	6	0T	4	3c	58	48	*	0.16
	Blacksod Pt. ...	30.18	58	SSW	4	c	29.96	−.25	58	57	+ 2	SSW	7	rgm	6	3,c	60	54	*	0.19
	Valencia... ...	30.24	61	S.SW	1	cv	30.12	−.15	59	57	+ 2	SSE	2	0	4	cv	62	55	13.0	—
	Roche's Point ...	30.24	60	SW	3	3	30.17	−.09	58	56	+ 1	SW	2	c	2	3	61	48	*	—
	Parsonstown ...	30.20	65	NW	2	3c	30.11	−.12	57	54	+ 2	E	3	0	*	3c	66	53	12.8	—
	Donaghadee ...	30.21	56	N	2	3	30.07	−.07	55	53	+ 2	SW	2	0	2	3c	57	47	*	—
	Liverpool Obsy.	30.21	55	WNW	3	3	30.17	+.07	58	54	+ 6	SSE	1	3	1	3	58	48	*	—
	Holyhead ...	30.22	55	SW	1	3	30.15	+.01	55	54	+ 1	SW	3	0m	2	c,3	57	50	*	—
	Pembroke (St. Ann's)	30.23	54	NW	1	3c	30.19	+.01	56	54	+ 3	SW	3	3c	2	3c	58	52	12.8	—
	Scilly (St. Mary's)...	30.29	60	N	3	c	30.23	+.02	58	55	− 1	ESE	2	3c	1	c	63	55	14.7	—
	Jersey (St. Aubins)...	30.24	60	WNW	4	3c	30.25	+.09	63	56	+ 4	NE	1	3m	1	3c,g	63	45	13.0	—
	Portland Bill ...	30.20	60	W	4	3c	30.23	+.11	59	57	+ 2	E	2	3	2	3c	62	51	*	—
	Dungeness ...	30.18	60	S	1	0	30.24	+.22	60	57	+ 2	SSW	2	3	1	3c,0	65	54	*	—
	Wick	30.09	50	NW	3	3c	29.99	0	50	48	+ 1	SW	2	0	1	3c	54	39	*	—
	Nairn	30.11	56	WNW	1	3c	30.00	−.04	52	48	+ 2	Z	0	c	1	3c	59	39	*	0.01
	Aberdeen ...	30.13	53	NW	2	3c	30.03	+.05	54	50	+ 3	S	2	c	2	c,3c	55	43	10.4	—
	Leith	30.11	58	NW	1	c	30.06	+.01	52	48	− 1	Z	0	d	*	c	64	46	*	—
	North Shields ...	30.15	52	NE	2	3c	30.13	+.11	55	52	+ 4	SSW	2	cm	2	c,3c	55	45	*	—
	Spurn Head ...	30.16	55	N	4	c	30.18	+.23	55	53	+ 3	WNW	3	3c	3	c	57	49	*	—
	Yarmouth ...	30.14	57	NNW	3	3	30.21	+.27	57	50	+ 4	SW	2	3	2	3c,3w	58	45	*	—
	Loughborough ...	30.17	60	WNW	3	3	30.22	+.16	58	52	+ 1	WSW	1	3cw	*	c,3g3m	62	39	*	—
	Oxford	30.22	57	NNW	2	3	30.24	+.14	57	51	+ 4	W	1	3	*	3	63	42	*	—
	London (Brixton)	30.18	62	NNW	2	3c	30.24	+.18	57	51	+ 3	NW	1	3	*	c,0,3	65	44	7.9	—
GERMANY, &c.	The Scaw (Skagen)	29.64	54	WNW	9 1	3	29.71	+.27	57	55	+ 4	N	1	3c	0	3	61	52	*	—
	Fanö	29.84	55	NW	8	c	29.93	+.53	55	48	0	NW	8	c	*	c	61	52	*	—
	Cuxhaven ...	29.83	59	NW	5	3	30.02	+.62	56	50	0	NW	7	3c	*	3	59	54	*	0.08
	The Helder ...	30.07	55	NNW	5	c	30.21	+.43	56	51	− 2	NW	4	c	3	c	58	54	*	0.08
	Brussels... ...	*	*	*	*	*	30.28	+.36	55	51	0	WNW	2	0	*	3	56	41	*	0.16
	Berlin	29.70	56	WNW	5	c	29.95	+.50	55	51	− 1	WNW	5	0	*	0	64	52	*	0.28
	Frankfürt ...	30.11	55	W	2	0	30.21	+.41	53	49	− 4	SW	2	c	*	0	61	50	*	—
	Munich	30.11	54	W	6	T	30.24	+.33	52	48	− 4	SW	5	0	*	T	61	48	*	0.12
FRANCE.	C. Gris Nez ...	30.22	57	NE	3	c	30.27	+.26	55	50	− 1	SSE	3	3c	2	c	63	48	*	—
	Brest	30.26	59	NNW	2	3	30.22	+.03	52	48	− 5	ENE	1	3	1	3	63	48	*	—
	Lorient	30.19	70	N	3	3	30.20	+.03	55	53	− 4	E	3	3c	2	3	73	50	*	—
	Rochefort ...	30.15	67	NW	4	3	30.13	−.02	61	56	0	E	4	3	*	3	?70	54	*	—
	Biarritz	30.17	68	N	5	3	30.10	−.08	64	60	− 4	E	3	3	2	3	72	57	*	—
	Paris	30.19	62	NNW	3	3	30.29	+.23	56	50	− 1	E	1	3	*	3	68	45	*	—
	Belfort	30.12	54	W	5	0	30.22	+.23	46	45	− 7	Z	0	m	*	0	63	43	*	—
	Lyons	30.15	65	NW	2	3	30.24	+.11	55	49	− 2	NW	2	3	*	3	70	51	*	—
	Nice	29.73	79	W	1	3	29.93	+.30	72	58	− 5	SE	4	3c	3	3	88	64	*	—
	Perpignan ...	30.03	76	NW	4	3	30.09	+.06	69	60	+ 2	Z	0	0	*	3	80	58	*	—
SPAN. PEN.	Corunna ..																		*	
	Lisbon	29.87	66	SW	4	0	29.94	+.18	68	64	− 6	E	2	3	*	0	81	64	*	—
	Azores (P. Delgada)	30.21	66	NNE	3	3	30.16	−.05	66	64	0	NNE	3	T	2	3	72	64	*	—

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.*

Observations received too late for insertion in Charts on next page

WEATHER CHARTS

FOR SATURDAY 12th JULY, 1902

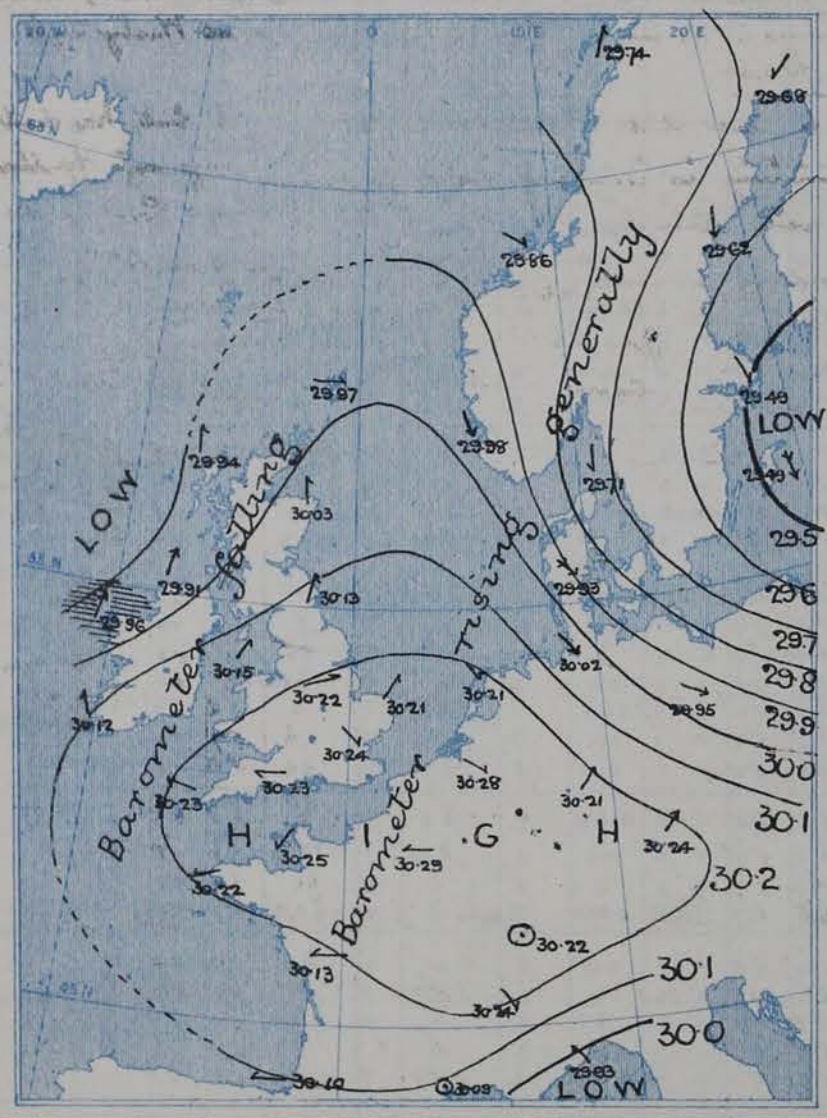
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

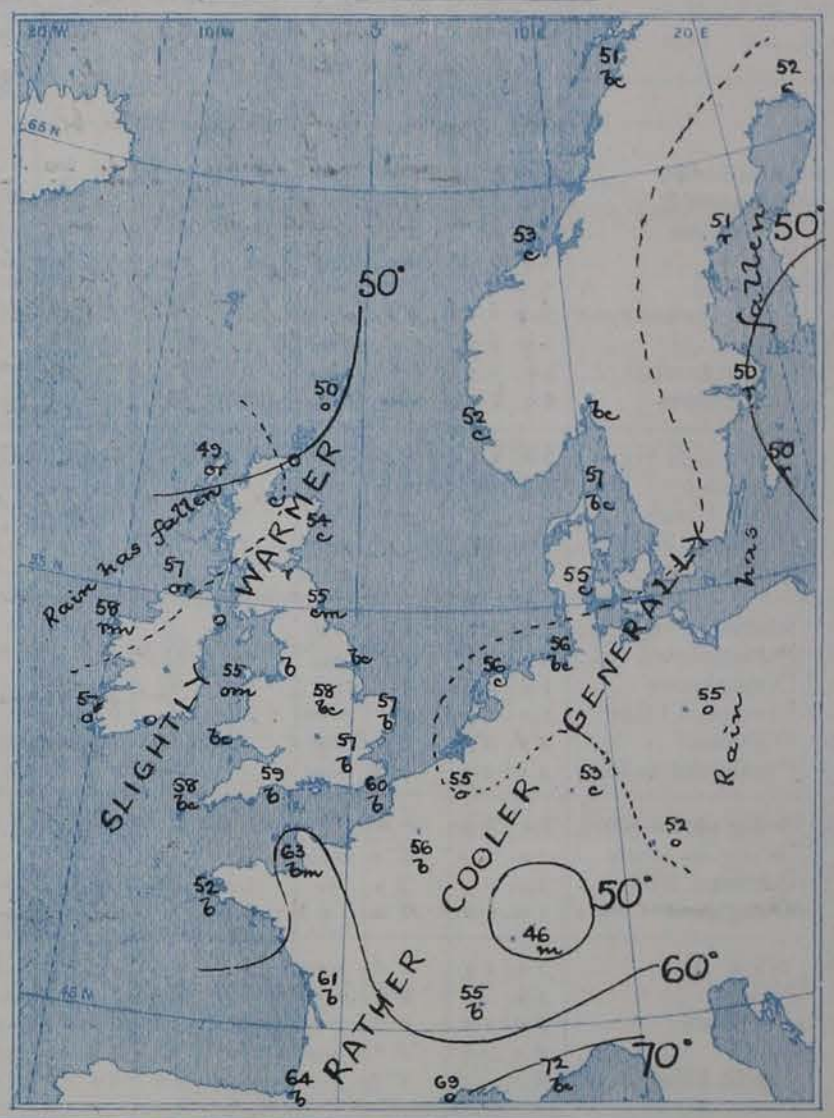


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



III. BAROMETER AND WIND

Yesterday morning.

IV. *Means of Daily Recorded* BRIGHT SUNSHINE *(1881–1900), together with Means of Possible Duration for* JULY.

Specimen (for Stornaway) { *Average No. of Hours daily* 4·6 ; *Total Possible* 17·2 }

V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Monthly period* JULY. *(1871–1900)*

GENERAL SITUATION AT 8 A.M.

PRESSURE

The anticyclone shown off the southwest of Ireland yesterday has moved southeastwards to France, and the barometer has accordingly risen decidedly over all the eastern and southeastern countries, and to a smaller extent over the eastern parts of England. On our western and northern coasts, however, the mercury is falling, and readings now vary from 30·29 ins. at Paris, to 29·49 ins. at Wisby and Stockholm, and to 29·91 ins. at Malin Head.

WIND

The Northwesterly wind still blows hard over the Baltic and at Faröe, but has died out on our own east coast, and a Southwesterly to Southerly breeze is spreading over the United Kingdom from the Atlantic and blows very strongly, locally, at Blacksod Point.

TEMPERATURE

Temperature is still low over Central Europe, but is rising in our Islands. It ranges from 63° at Jersey, 60° at Dungeness, and 59° at Portland Bill and Valencia, to 49° at Stornoway; the values in our Islands are rather lower than the average. At Nice it is 72°, and at Belfort it is 46°.

WEATHER AND SEA

The weather is again dull or rainy on our extreme northwestern and western coasts, and remains rainy at the Swedish stations; over our southeastern counties it is very fine. The sea is rough at Blacksod Point, moderate on our extreme northwestern and northern coasts, slight or smooth elsewhere.

During yesterday rain fell over Sweden and Germany, and some has fallen in Ireland in the night. Bright sunshine was abundant except in the east; the maximum temperatures failed to exceed 66° at any of our stations and over England the minima were very low (Loughborough 39° in the shade, 35° on the grass).

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The unsettled weather in the west and northwest is likely to spread eastwards, but will probably not reach the east of England till tonight, when the wind is likely to freshen from southwest.

FORECASTS*

For the 24 hours ending at NOON on 13th July 1902

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	S and SW winds, freshening; some showers.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	SW winds, light to moderate; fine and warm today, probably less fair tomorrow.
6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	S to W or NW breezes, rather strong; showery, changeable.
WARNINGS	— None Issued —

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea.	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	b	*	b	62	47	1.0	—
Newton Reigny (Penrith)	30.15	54	W 2	c	30.11	+.07	52	50	+ 2	SSW 4	o	*	bc, o	61	39	11.5	—
Bath	30.20	64	W 1	c	30.23	+.13	58	50	+ 2	E 1	b	*	c	65	42	13.0	—

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Harrogate, up to 6 p.m.	60	44	o	7.9	0.06	Worthing	*	*	*	11.1	*
Birmingham, 9 p.m.	60	49	c	7.7	—	Llandudno	*	*	*	13.6	*
Lowestoft, ...	56	50	b	7.1	—	Rhyl up to 6 p.m.	*	*	*	9.3	*
Hastings up to 6 p.m. ...	*	*	*	9.1	*	Southport, 9 p.m.	59	51	cv	12.9	0.02
Eastbourne up to 6 p.m. ...	*	*	*	10.5	*	Manchester, 9 p.m. ...	61	47	b	7.7	—
Brighton	*	*	*	11.3	*	Darwen, 9 p.m.	58	41	cvw	9.5	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 11. VII. 02	Temperature, F. Max. °	Temperature, F. Min. °	Weather.		Rain. Ins.	STATIONS. 10. VII. 02	Temperature, F. at 1 p.m. °	Weather.	Rain. (measured at 7 a.m.) Ins.
Marseilles	91	70	b	b	—	Geneva	77	o	0.16
Utrecht...	64	54	o	o	0.16	Berne	75	o	0.20
Copenhagen...	61	54	c	bc	0.32	Lucerne	68	o	0.08
Prague	81	57	c	bc	—	Lausanne	?	?	0.63
Vienna	72	59	c	r	0.16	Lugano	77	bc	—
Buda-Pesth	88	64	r	o	0.28	Locarno	?	?	—
St. Petersburg	54	48	c	o	—				
Rome	88	69	c	o	—				
Malta	88	78	?	c	—				
Madeira (Funchal)	73	59	bc	c	—				

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

12.....VII...., 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	3.45	11.58	8.12
Greenwich	3.58	12.5	8.12
Wick	3.25	12.17	9.9
Valencia	4.36	12.46	8.57

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† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on SUNDAY 13TH JULY 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Temp. Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.54	54	N	2	†	29.43	-.25	51	50	-1	SE	4	o	*	†	59	48	*	0.32
	Hernösand ...	29.58	57	Z	0	o	29.66	+.04	53	47	+2	NW	6	b	*	o	57	48	*	0.16
	Stockholm ...	29.66	53	W	2	c	29.78	+.29	59	54	+9	W	2	bc	*	c	?	46	*	0.04
	Wisby	29.73	53	WNW	4	c	29.86	+.37	53	50	+3	SW	4	b	*	c	57	45	*	0.04
	Karlstad... ...	29.74	57	SW	2	bc	29.78	+.09	54	49	-1	SW	2	o	*	bc	*	*	*	–
	Færder (X'iania Fjord)	29.76	64	WSW	1	b	29.82	+.09	57	50	-1	W	4	o	3	b	64	55	*	–
	Bodö	29.79	48	W	4	c	29.67	-.07	49	45	-2	W	4	c	2	c	52	45	*	–
	Christiansund ...	29.88	48	WNW	3	o	29.80	-.06	48	45	-5	W	4	†	3	o	58	43	*	0.20
	Skudesnaes ...	29.99	51	NNW	2	c	29.78	-.20	48	47	-4	E	6	o	2	c	54	46	*	*
BRITISH ISLANDS	Sumburgh Head	29.86	50	S	1	o	29.79	-.18	50	47	*	NE	3	c	4	o	52	47	*	0.01
	Stornoway ...	29.76	57	NW	3	o	29.81	-.13	54	54	+5	W	3	o	3	o tm, o	58	46	2.2	0.18
	Malin Head ...	29.86	58	W	6	†	29.91	.00	57	57	0	SW	3	rf	3	†	58	53	*	0.55
	Blacksod Pt. ...	29.93	59	SW	8	tmq	29.96	.00	59	58	+1	SW	5	trn	5	omq, tq	61	56	*	0.45
	Valencia... ...	30.08	60	S	2	o	30.07	-.05	62	56	+3	SSE	2	c	3	o	62	55	0.0	–
	Roche's Point ...	30.12	59	WSW	3	o	30.09	-.08	60	57	+2	SW	1	b	1	c, o	62	52	*	–
	Parsonstown ...	30.04	62	SW	2	op	30.04	-.07	60	56	+3	SW	2	c	*	op	63	54	0.2	0.05
	Donaghadee ...	29.99	60	WSW	3	cp	29.98	-.09	59	58	+4	W	2	cp	2	cp	60	54	*	0.09
	Liverpool Obsy.	30.08	58	WSW	2	o	30.06	-.11	61	57	+3	WSW	1	c	2	o	63	53	*	–
	Holyhead ...	30.09	56	SW	6	omp	30.05	-.10	56	55	+1	SW	3	c	2	om, omp	58	53	*	–
	Pembroke (St. Ann's)	30.13	56	SW	4	c	30.10	-.09	57	56	+1	Z	0	cm	2	c	59	54	7.3	–
	Scilly (St. Mary's)...	30.14	60	SE	2	c	30.11	-.12	58	55	0	ESE	4	c	1	bc, c	64	55	12.0	–
	Jersey (St. Aubins)...	30.17	67	N	2	bc	30.11	-.14	64	57	+1	ENE	1	cm	1	bc, b, p	70	57	14.5	0.01
	Portland Bill ...	30.19	61	WSW	1	b	30.15	-.08	61	58	+2	E	1	bc	2	b	63	52	*	–
	Dungeness ...	30.19	62	WNW	3	b	30.14	-.10	61	57	+1	WSW	4	c	2	bc, b	64	53	*	–
	Wick	29.76	50	S	3	†	29.80	-.19	52	50	+2	S	2	o	1	†	52	49	*	0.12
	Nairn	29.77	61	W	1	c	29.82	-.18	59	56	+7	W	2	c	1	c	61	49	*	0.02
	Aberdeen ...	29.84	57	SW	2	o	29.83	-.20	62	56	+8	W	2	og	1	c, o	62	51	0.7	–
	Leith	29.88	59	SW	3	†	29.88	-.18	62	56	+10	WSW	3	c	*	†	62	50	*	0.33
	North Shields ...	30.00	60	SW	2	o	29.95	-.18	62	59	+7	W	3	c	2	o, †	63	55	*	0.05
GERMANY, &c.	Spurn Head ...	30.09	60	WSW	3	c	30.05	-.13	60	57	+5	W	3	bc	2	c	66	54	*	–
	Yarmouth ...	30.12	66	WSW	2	c	30.08	-.13	62	55	+5	W	3	b	2	bc, c	67	54	*	–
	Loughborough ...	30.12	64	SW	1	o	30.09	-.13	61	54	+3	WSW	2	c	*	c, o, b, bc	62	47	*	–
	Oxford	30.14	61	S	2	o	30.12	-.12	62	55	+5	WSW	2	c	*	o	71	53	*	–
	London (Brixton)	30.16	65	WSW	3	bc	30.17	-.07	62	56	+5	W	2	o	*	c, bc	72	52	11.1	–
	The Scaw (Skagen)	29.85	54	WNW	5	bc	29.84	+.13	54	53	-3	W	3	m	1	bc	63	52	*	–
	Fanö	30.08	53	NW	4	c	29.95	+.02	55	52	0	WSW	4	†	*	c	59	54	*	0.04
	Cuxhaven ...	30.17	56	WNW	4	bc	30.10	+.08	53	51	-3	S	3	o	*	bc	59	50	*	0.08
	The Helder ...	30.18	?	SW	1	b	30.09	+.12	63	57	+7	SW	3	bc	2	b	63	55	*	0.04
	Brussels... ...	*	*	*	*	*	30.20	-.08	63	54	+8	SSW	3	b	*	b	62	49	*	–
	Berlin	30.12	58	WNW	4	b	30.21	+.26	57	53	+2	WSW	2	b	*	b	66	46	*	–
	Frankfürt ...	30.26	55	NW	2	b	30.26	+.05	50	47	-3	E	2	o	*	b	64	45	*	–
	Munich	30.30	53	Z	0	b	30.28	+.04	55	51	+3	E	4	b	*	b	61	41	*	–
FRANCE.	C. Gris Nez ...	30.22	61	WSW	2	b	30.19	-.08	59	56	+4	SSW	3	c	2	b	64	55	*	–
	Brest	30.14	64	ENE	1	b	30.14	-.08	61	57	+9	E	1	c	0	b	70	52	*	–
	Lorient	30.12	75	NNW	1	b	30.09	-.11	62	56	+7	SE	3	o	2	b	79	52	*	–
	Rochefort ...	30.04	78	E	4	b	29.95	-.18	66	63	+5	E	4	o	*	b	88	57	*	–
	Biarritz	29.94	83	ENE	5	b	29.96	-.14	71	70	+7	SSE	2	c	2	b, tt	86	62	*	–
	Paris	30.22	66	E	2	b	30.19	-.10	55	51	-1	ENE	1	bc	*	b	70	48	*	–
	Belfort	30.17	62	ENE	4	m	?30.19	-.03	56	50	+10	ENE	6	m	*	m	67	44	*	–
	Lyons	30.15	69	N	1	b	30.22	-.02	60	53	+5	E	1	b	*	b	73	51	*	–
	Nice																		*	
	Perpignan ...	30.04	75	NE	2	b	30.15	+.06	69	63	0	Z	0	b	*	b	81	55	*	–
SPAN. PEN.	Corunna ...																		*	
	Lisbon	29.98	68	SSW	4	b	30.05	+.11	68	62	0	SSW	4	o	*	b	73	64	*	–
	Azores (P. Delgada)	30.23	67	NNE	1	bc	30.23	+.07	70	66	+4	Z	0	b	2	bc	73	66	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR SUNDAY. 13TH JULY, 1902

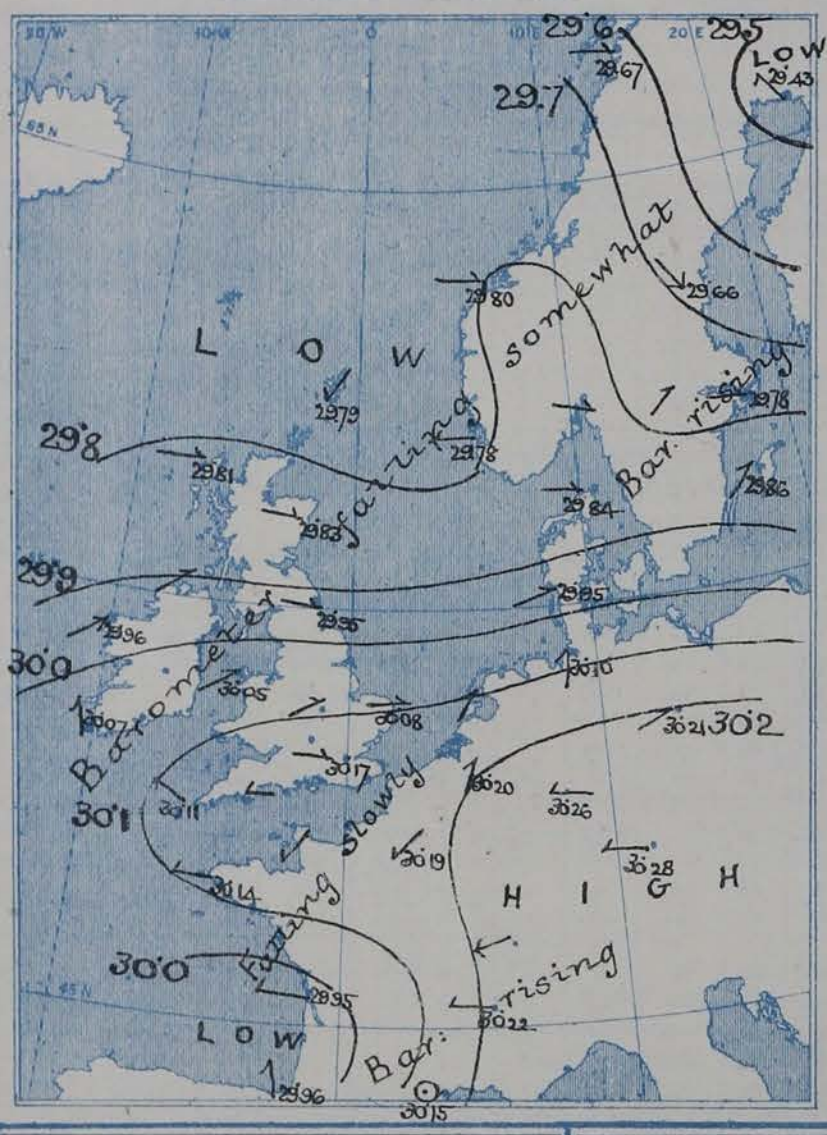
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

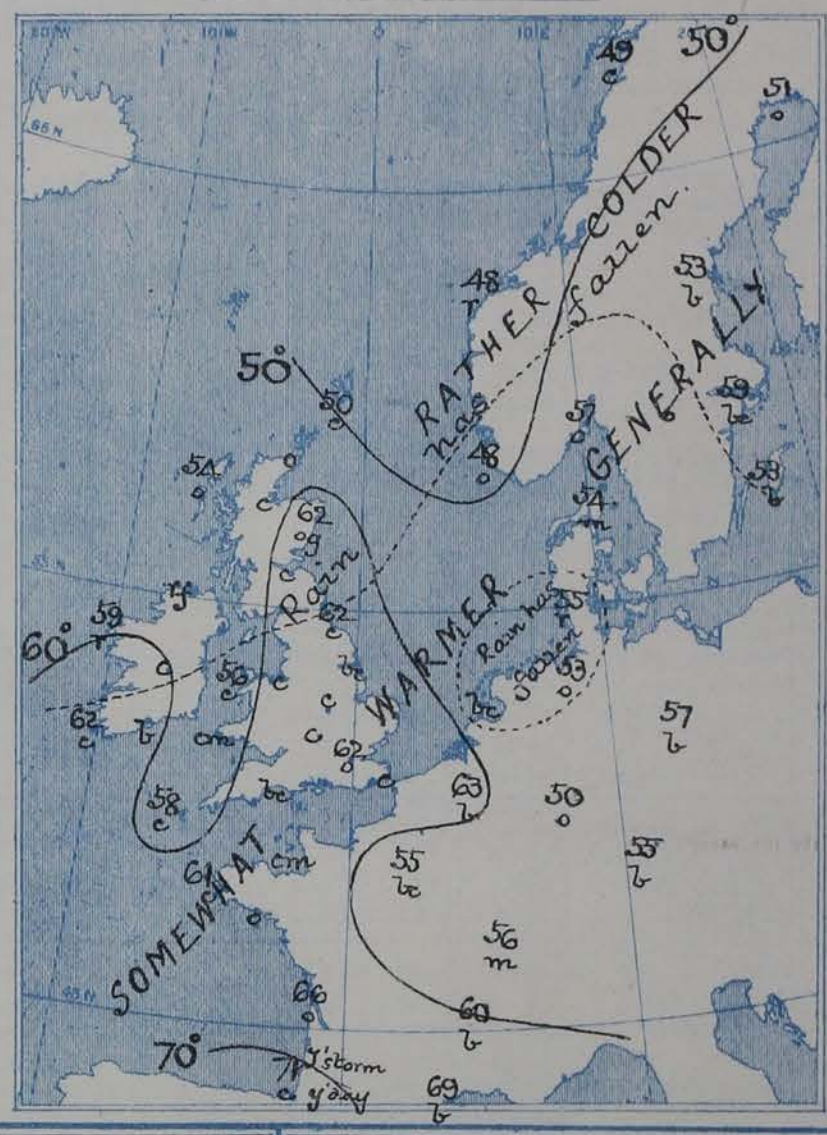


II. TEMPERATURE AND WEATHER. *This Morning*

TEMPERATURE.—Isotherms are drawn for each 10°.

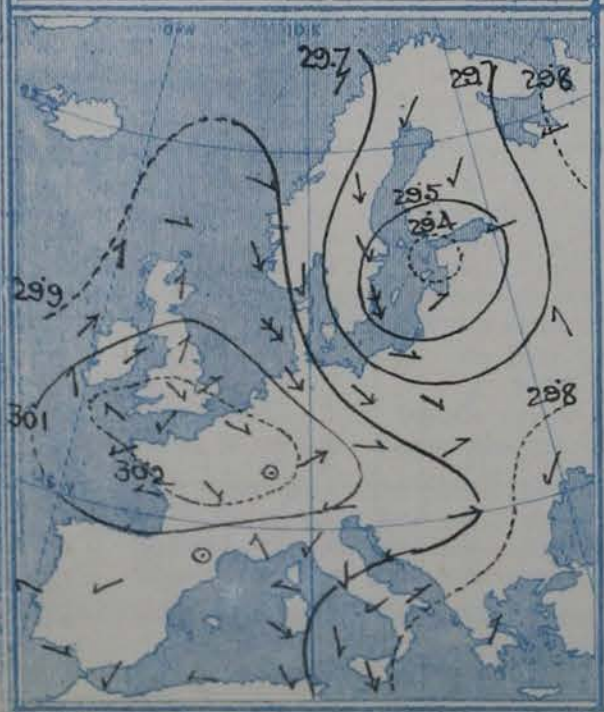
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



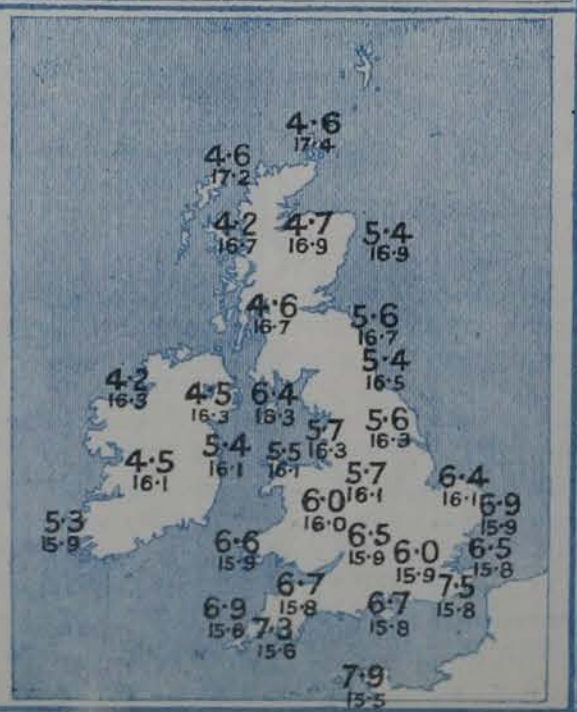
III. BAROMETER AND WIND

Yesterday morning.



IV. *Means of Daily Recorded* BRIGHT SUNSHINE *(1881–1900), together with Means of Possible Duration for* JULY.

Specimen (for Stornaway) { *Average No. of Hours daily* 4·6 ; *Total Possible* 17·2 }



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Monthly period* JULY (1871–1900)

GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer is highest, 30·2 ins. and upwards, over Germany and the east and south of France, but is high, 30·1 ins. and upwards, in a ridge extending westwards over the north of France and the south of England. The lowest readings 29·5 ins. and less, are found in a well marked cyclonic system over the north part of the Gulf of Bothnia, but readings are somewhat low, 29·8 ins. and less, in another disturbance off the North of Scotland. A shallow cyclonic area with readings below 30·0 ins. is also reported over the Southern part of the Bay of Biscay, and the general distribution of pressure is therefore somewhat irregular.

WIND

The wind is light from the southwest or west over the greater part of northwestern Europe, but is easterly in South Germany, France, and the western parts of the English Channel. Temperature has risen over the United Kingdom and the west of France, as well as in Sweden, but has changed irregularly elsewhere. Over our Islands the readings are mostly a little above 60°, but on many parts of our western and extreme northern coasts they are below that point, the lowest temperatures recorded being 50° at Sumburgh Head, and 52° at Wick. Readings below 60° are reported also in many parts of Germany and central France; at Frankfurt the reading is only 50° and at Paris 55°. The weather is fine on the south and east coasts of England and also over Sweden, the Netherlands, Germany, and the central and southern parts of France; elsewhere the sky is cloudy or overcast, with rain or fog in the north of Ireland; rain is falling also at Christiansund. The sea is slight or smooth generally, but is rather rough at Blackwood Point.

TEMPERATURE

During yesterday the thermometer rose to between 65° and 70° at most of the English stations, to 71° at Oxford, and to 72° in London; on many parts of our western and northern coasts it did not reach 60°. In the west and south of France it exceeded 80°, and at Rochefort it rose to 88°. The amount of bright sunshine was large on our south and southeast coasts, but small elsewhere; at Valencia (Ireland) there was none. Rain fell at many of our western and northern stations, rather heavily in the north of Ireland; a thunderstorm occurred at Biarritz.

WEATHER AND SEA

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS*

For the 24 hours ending at NOON on 14th July 1902

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	— None Issued —	6 SCOTLAND WEST	— None Issued. —
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	— None Issued —

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather	Sea	Weather.	Temperature Max. °	Temperature Min. °	Sunshine Hrs	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	bc	*	b.bc	66	50	9.5	–
Newton Reigny (Penrith)												*					
Bath	30.16	65	W 2	b	30.12	–.11	60	56	+2	SW 1	0	*	b	69	52	11.0	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs	Rainfall. Ins.
Harrogate, up to 6 p.m.	61	41	c, o	3.2	0.03	Worthing	*	*	*	13.1	*
Birmingham, 9 p.m.	67	43	o	8.7	–	Llandudno	*	*	*	0.9	*
Lowestoft, up to 6 p.m. ...						Rhyl up to 6 p.m.	*	*	*		*
Hastings	*	*	*	12.6	*	Southport, 9 p.m.	64	45	cu	0.9	–
Eastbourne up to 6 p.m. ...	*	*	*		*	Manchester, 9 p.m. ...					
Brighton	*	*	*		*	Darwen, 9 p.m.					

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS.	Temperature, F. Max. °	Temperature, F. Min. °	Weather.	Rain. Ins.	STATIONS.	Temperature, F. at 1 p.m. °	Weather.	Rain. (measured at 7 a.m.) Ins.
Marseilles . 12th JULY ...	81	59	m, c	—	Geneva ... 11th JULY.	66	c	0.47
Utrecht	61	50	c, c	—	Berne	63	c	0.24
Copenhagen	59	54	c, o	0.04	Lucerne	64	bc	0.71
Prague	64	54	o, o	—	Lausanne	?	?	0.79
Vienna	70	54	c, o	—	Lugano	81	b.	—
Buda-Pesth	75	57	c, b	0.51	Locarno	?	?	?
St. Petersburg	64	50	o, o	—				
Rome	89	69	b, b	—				
Malta	91	79	b	—				
Madeira (Funchal)	—	—	—	—				

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy), o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

13th JULY, 1902.	Sunrise G.M.T. h m	Noon G.M.T. h m	Sunset G.M.T. h m
Yarmouth	3.46	11.58	8.11
Greenwich	3.59	12.5	8.12
Wick	3.27	12.7	9.8
Valencia	4.37	12.46	8.56

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on MONDAY 14TH JULY 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp Max.	Temp Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.72	54	W	2	o	29.84	+.41	52	?	+1	WSW	2	b	*	o	?	?	*	?
	Hernösand ...	29.74	54	Z	o	b	29.80	+.14	53	47	0	NE	4	b	*	b	64	48	*	–
	Stockholm ...	29.78	54	S	2	†	29.74	-.04	52	51	-7	N	2	†	*	†	64	48	*	?2.36
	Wisby	29.88	55	SSW	6	o	29.78	-.08	55	53	+2	WSW	2	†	*	o	66	46	*	0.08
	Karlstad... ...	29.76	52	NE	2	†	29.80	+.02	52	50	-2	NE	2	o	*	†	*	*	*	0.20
	Færder (X'iania Fjord)	29.73	55	SW	2	o	?29.82	.00	55	50	-2	N	5	b	3	o	57	52	*	0.04
	Borlö	29.70	49	SW	4	c	29.75	+.08	49	45	0	SW	3	o	1	c	52	45	*	–
	Christiansund ...	29.83	50	NNW	4	o	29.91	+.11	46	45	-2	W	7	†	4	o	52	45	*	0.12
	Skudesnaes ...	29.88	52	N	6	o	29.99	+.21	52	47	+4	N	4	c	2	o	57	?	*	*
BRITISH ISLANDS.	Sumburgh Head	29.88	50	NW	7	c	29.93	+.14	50	46	0	ESE	2	o	3	c	52	46	*	0.03
	Stornoway ...	29.86	59	W	3	o	29.86	+.05	56	55	+2	SW	2	o	2	o	60	46	0.0	0.01
	Malin Head ...	29.94	59	W	4	o	29.95	+.04	59	59	+2	W	4	†f	3	f, o	59	55	*	0.05
	Blacksod Pt. ...	29.98	60	SW	5	†m	29.99	+.03	60	59	+1	SW	4	otm	3	o, †m	63	57	*	0.01
	Valencia... ...	30.06	63	SW	2	bc	30.08	+.01	60	58	-2	SE	1	og	3	c, bc	66	54	12.3	–
	Roche's Point ...	30.08	59	SSW	3	b	30.06	-.03	57	55	-3	SSW	1	b	1	b	71	46	*	–
	Parsonstown ...	30.03	71	NW	1	b	30.05	+.01	62	59	+2	W	1	c	*	b	72	53	7.0	–
	Donaghadee ...	29.99	65	WSW	2	cp	30.02	+.04	61	59	+2	WSW	1	o	1	cp	65	55	*	–
	Liverpool Obsy.	30.07	67	WNW	2	bc	30.07	+.01	61	56	0	Z	0	o	?	bc	67	54	*	–
	Holyhead ...	30.08	60	SSW	3	c	30.06	+.01	57	56	+1	SW	3	cm	2	c	61	54	*	–
	Pembroke (St. Ann's)	30.07	59	SW	2	bc	30.07	-.03	60	57	+3	Z	0	bmw	1	bc	62	55	11.2	–
	Scilly (St. Mary's)...	30.08	64	E	3	c	30.05	-.06	60	56	+2	ENE	1	b	1	c	67	55	13.6	–
	Jersey (St. Aubins)...	30.02	72	NE	3	bc	30.11	.00	73	63	+9	SE	1	bcm	1	b, bc	75	55	11.1	–
	Portland Bill ...	30.11	64	E	1	bc	30.08	-.07	68	62	+7	E	1	b	1	bc	68	57	*	–
	Dungeness ...	30.12	65	WSW	2	bc	30.09	-.05	69	61	+8	Z	0	b	0	bc	69	50	*	–
	Wick	29.88	53	ESE	1	op	29.88	+.08	55	54	+3	ESE	1	o	2	op	63	49	*	0.15
	Nairn	29.88	61	W	1	c	29.89	+.07	63	59	+4	WSW	2	bc	1	c	65	55	*	–
	Aberdeen ...	29.89	60	ESE	2	cg	29.92	+.09	58	55	-4	E	1	c	1	c, cg	67	55	1.5	–
	Leith	29.92	63	W	2	c	29.96	+.08	62	60	0	WSW	2	om	*	c	69	57	*	–
	North Shields ...	29.98	66	SW	2	o	30.01	+.06	64	61	+2	SW	2	o	2	p, o	67	59	*	–
	Spurn Head ...	30.04	69	WSW	3	c	30.06	+.01	63	58	+3	WNW	2	c	1	c	72	57	*	–
	Yarmouth ...	30.06	76	W	3	c	30.07	-.01	66	59	+4	Z	0	bc	0	bc, c	76	58	*	–
	Loughborough ...	30.06	72	SW	1	c	30.09	.00	63	59	+2	Z	0	bcmw	*	c, bcm	77	51	*	–
	Oxford	30.08	70	WSW	1	c	30.08	-.04	66	58	+4	Z	0	bm	*	c	77	54	*	–
	London (Brixton)	30.09	75	W	2	bc	30.08	-.09	67	60	+5	SW	1	b	*	bc	79	51	10.2	–
GERMANY, &c.	The Scaw (Skagen)	29.80	55	W	3	m	29.85	+.01	56	51	+2	NW	4	bc	1	m	57	52	*	0.08
	Fanö	30.00	55	WNW	4	o	30.02	+.07	57	55	+2	WSW	2	o	*	o	63	55	*	–
	Cuxhaven ...	30.07	62	W	5	c	30.06	-.04	60	59	+7	SW	2	o	*	c	64	?53	*	–
	The Helder ...	30.10	62	WSW	1	bc	30.08	-.01	65	61	+2	WSW	2	bc	1	bc	66	57	*	–
	Brussels... ...	*	*	*	*	*	30.13	-.07	68	58	+5	WSW	1	c	*	o	75	55	*	–
	Berlin	30.11	63	SW	1	c	30.13	+.08	62	58	+5	W	2	o	*	c	66	57	*	0.04
	Frankfürt ...	30.15	63	W	2	b	30.15	-.11	61	56	+11	E	2	c	*	b	75	?50	*	–
	Munich	30.25	59	Z	0	c	30.25	-.03	60	57	+5	SW	2	c	*	c	68	52	*	–
FRANCE.	C. Gris Nez ...	30.15	63	Z	0	c	30.12	-.07	70	62	+11	Z	0	b	0	c	73	55	*	–
	Brest	30.01	81	ENE	1	b	?30.15	+.01	62	53	+1	Z	0	b	0	b	86	52	*	–
	Lorient																		*	
	Rochefort ...	29.97	78	W	3	b	30.05	+.10	72	68	+6	E	4	bc	*	b	95	66	*	–
	Biarritz	30.05	72	E	3	bc	30.10	+.14	70	69	-1	Z	0	c	1	bq, †h†	86	66	*	0.04
	Paris	30.12	?72	SE	1	bc	30.08	-.11	63	58	+8	ENE	2	b	*	bc	73	52	*	–
	Belfort	30.10	69	Z	0	o	30.14	-.05	63	57	+7	Z	0	m	*	o	76	56	*	–
	Lyons	30.07	82	E	1	b	30.16	-.06	66	59	+6	E	1	b	*	b	88	60	*	–
	Nice	30.15	75	SE	2	b	30.12		74	62		E	1	bc	0	b	84	66	*	–
	Perpignan ...	30.17	69	W	2	o	30.17	+.02	72	67	+3	Z	0	b	*	o	79	63	*	–
SPAN. PEN.	Corunna ...																		*	
	Lisbon	30.10	66	WSW	4	o	30.15	+.10	66	62	-2	W	1	b	*	o	72	63	*	–
	Azores (P. Delgada)																		*	

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page*

WEATHER CHARTS

FOR MONDAY, 14TH JULY, 1902

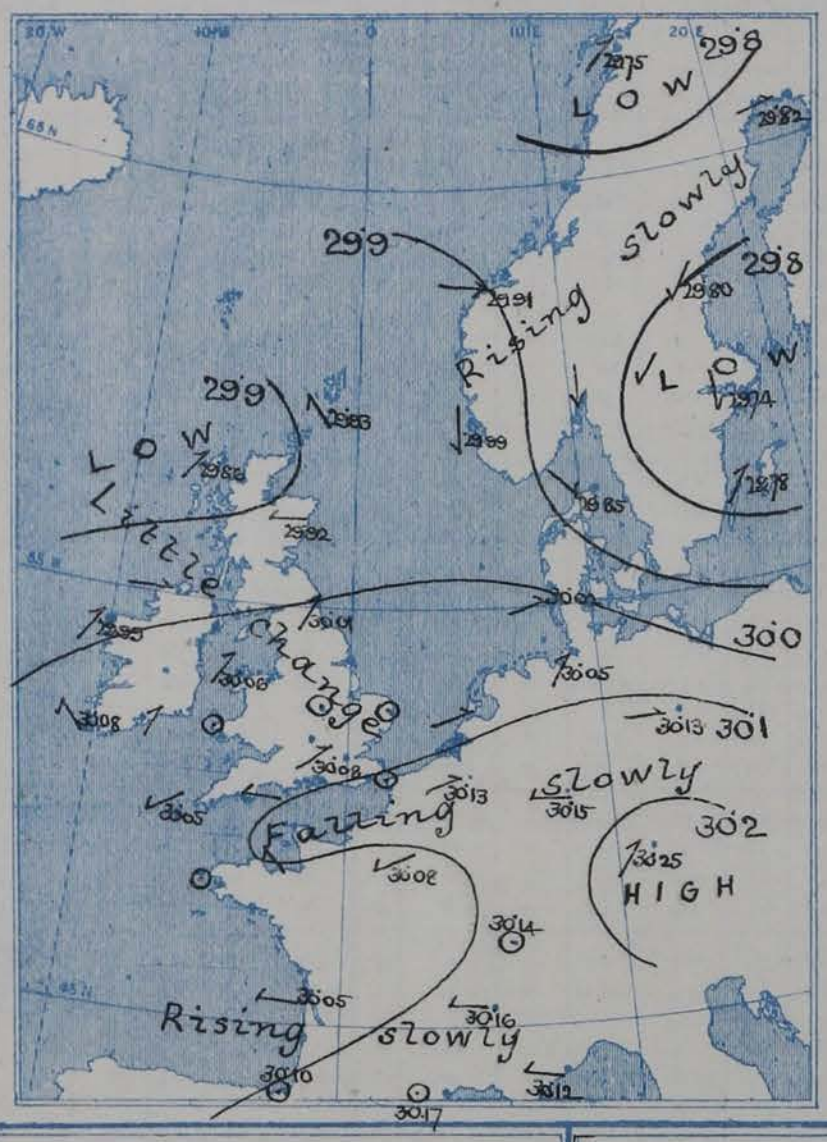
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4)

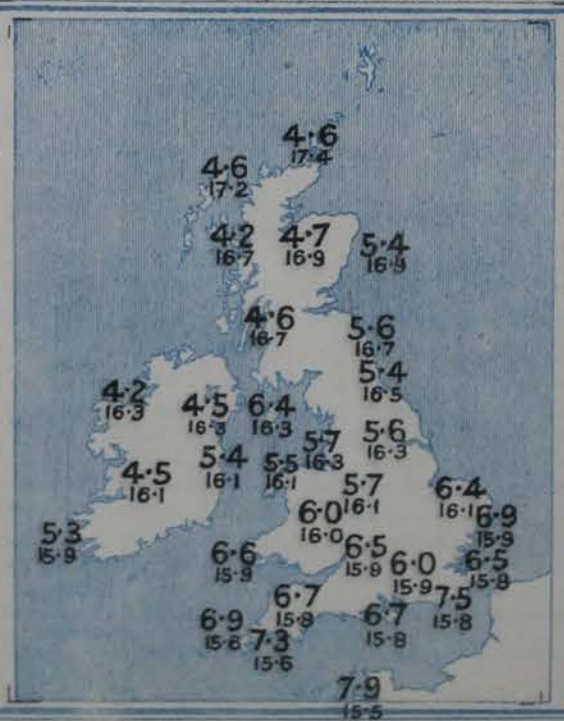
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

III. BAROMETER AND WIND

Yesterday morning.

IV. *Means of Daily Recorded* BRIGHT SUNSHINE *(1881–1900), together with Means of Possible Duration for* JULY.

Specimen (for Stornaway) { *Average No. of Hours daily* 4·6 ; *Total Possible* 17·2 }



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Monthly period* JULY (1871–1900)

GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometrical pressure is now very uniform, but is somewhat irregularly distributed. The highest readings, 30·2 ins. and upwards, are found over South Germany, but the mercury is high, 30·1 ins. and upwards, over the whole of Germany, Belgium and the east and South of France, as well as over the eastern parts of the Channel. The lowest readings, 29·8 ins. and less, are reported in two areas, one over the north of Scandinavia and the other over the south-east of Sweden, but readings are somewhat low, 29·9 ins. and less, in a shallow depression over the north of Scotland. The barometrical changes in progress are slight and irregular.

WIND

The wind is calm over the greater part of England, as well as at many of the French stations, but is light from the Eastward over the Channel and the north of France. Over the northern parts of the United Kingdom the wind is chiefly W'ly or S.W'ly; but in Caithness and the Shetlands it is S.E'ly; in Sweden it is mostly from the Northward or North-eastward, while in Denmark and North Germany it is W'ly.

TEMPERATURE

Temperature has risen in most places and is above the average in nearly all parts of the United Kingdom, as well as in the Netherlands. Over the south and east of England the readings range between 66° and 69°; but in some parts of our western and northern districts they are below 60°, the lowest reported in our islands being 50° at Sumburgh Head, 55° at Wick and 56° at Newton Reigny (Penrith). Over the south of France the readings are slightly above 70°.

WEATHER AND SEA

The weather is fine over England, France and the Netherlands, as well as in the north of Sweden, but is cloudy elsewhere; rain is falling in the north of Ireland and also in the south of Sweden. The sea is smooth on nearly all coasts.

During yesterday the thermometer rose to 70° and upwards in the south of Ireland, to 75° and upwards in many part of England, and to 79° in London; in the west and south of France it exceeded 85°, and at Rochefort it rose to 95°. The amount of bright sunshine was small in Scotland, but large at some of our central and southern stations; at Scilly it amounted to 13·6 hrs. A little rain fell on our extreme north and north-west coasts and larger quantities at some of the Scandinavian stations; a thunderstorm occurred at Biarritz.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The changes in progress are slight and indecisive and no great alteration in the weather is anticipated over the country as a whole. A small and very shallow cyclonic disturbance over central France may, however, advance northwards and occasion thunderstorms in some portions of our southern districts.

FORECASTS ※

For the 24 hours ending at NOON on 15th July, 1902

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S'ly and S.E'ly winds, light; dull, some rain.
1 SCOTLAND EAST	Light variable breezes; fine, warm.
2 ENGLAND N.E.	
3 ENGLAND EAST	Variable or light E'ly airs; fine and warm at first, doubtful later, local thunderstorms not improbable.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	S'ly and S.W'ly winds, light; dull, rain locally.
7 ENGLAND N.W.	Same as Nos. 1 and 2.
8 ENGLAND S.W.	Same as Nos. 3 to 5.
9 IRELAND NORTH	Same as No. 6.
10 IRELAND SOUTH	S'ly and S.E'ly winds, light; fair generally.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

※ *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea.	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	b	*	b	73	56	10·3	–
Newton Reigny (Penrith)	30·03	59	SSW 1	o	30·03		56	55		SE 1	o	*	c, om	64	52	1·0	–
Bath	30·08	74	W 1	bc	30·08	-0·4	65	55	+5	N 1	b	*	bc	76	47	11·0	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs	Rainfall. Ins.
Harrogate, up to 6 p.m.	68	53	o, c, o	3·1	–	Worthing	*	*	*	10·0	*
Birmingham, 9 p.m.	75	51	c	11·8	–	Llandudno up to 6 p.m. ...	*	*	*	5·7	*
Lowestoft, up to 6 p.m. ...						Rhyl up to 6 p.m.	*	*	*	8·1	*
Hastings	*	*	*	7·4	*	Southport, 9 p.m.	66	54	c, bc	6·4	–
Eastbourne up to 6 p.m. ...	*	*	*	7·2	*	Manchester, 9 p.m. ...					
Brighton	*	*	*	9·8	*	Darwen, 9 p.m.	67	50	c, p, w	2·5	–

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 13. VII. 02	Temperature, F. Max. °	Temperature, F. Min. °	Weather.	Rain. Ins.	STATIONS. 12. VII. 02	Temperature, F. at 1 p.m. °	Weather. 1 pm	Rain. (measured at 7 a.m.) Ins.
Observations not yet received								
Marseilles					Geneva	66	b	–
Utrecht					Berne	66	b	–
Copenhagen					Lucerne	66	b	–
Prague					Lausanne	?	?	–
Vienna					Lugano	81	b	–
Buda-Pesth					Locarno	?	?	–
St. Petersburg								
Rome								
Malta								
Madeira (Funchal)								

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

14....VII...., 1902.	Sunrise G.M.T. h m	Noon G.M.T. h m	Sunset G.M.T. h m
Yarmouth	3. 47	11. 59	8. 10
Greenwich	4. 0	12. 6	8. 11
Wick	3. 29	12. 18	9. 6
Valencia	4. 38	12. 47	8. 55

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on TUESDAY 15TH JULY 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Temp. Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.86	53	SSE	2	†	29.89	+.05	50	50	-2	W	4	b	*	†	57	48	*	0.35
	Hernösand ...	29.92	54	N	2	b	30.02	+.22	55	48	+2	N	2	b	*	b	66	45	*	–
	Stockholm ...	29.94	55	NW	2	b	30.06	+.32	57	51	+5	N	2	b	*	b	61	50	*	0.28
	Wisby	29.95	53	NW	2	b	30.01	+.23	54	51	-1	N	2	b	*	b	61	48	*	–
	Karlstad... ...	29.99	59	NNE	2	b	30.09	+.29	55	51	+3	ESE	2	b	*	b	*	*	*	–
	Færder (X'iania Fjord)	29.98	59	W	4	b	30.07	+.25	59	55	+4	S	2	b	2	b	63	55	*	–
	Bodö	29.93	48	WSW	4	o	30.02	+.27	48	45	-1	W	4	o	2	o	44	45	*	–
	Christiansund ...	30.06	50	Z	0	c	29.96	+.05	54	48	+8	ESE	1	bc	2	c	54	43	*	.04
	Skudesnaes ...	30.02	54	NNW	4	b	30.02	+.03	53	51	+1	SE	4	c	2	b	57	46	*	*
BRITISH ISLANDS.	Sumburgh Head	29.87	52	S	3	†	29.83	-.10	52	51	+2	S	1	o	3	o	53	49	*	0.12
	Stornoway ...	29.85	59	WSW	4	o	29.83	-.03	56	53	0	SW	2	o	2	o	65	51	3.6	–
	Malin Head ...	29.96	59	SW	4	om	29.94	-.01	58	57	-1	SW	5	c	3	omp,om	61	54	*	0.04
	Blacksod Pt. ...	29.99	60	SSW	3	om	30.02	+.03	59	57	-1	WSW	4	b	3	om	61	54	*	0.03
	Valencia... ...	30.07	61	SSW	1	o	30.11	+.03	60	59	0	W	1	og	4	c,o	66	57	3.3	0.02
	Roche's Point ...	30.05	64	WSW	1	b	30.07	+.01	65	62	+8	NW	3	b	2	b	65	55	*	–
	Parsonstown ...	30.02	66	NW	1	c	30.06	+.01	61	57	+1	W	2	bc	*	c	75	58	8.3	0.02
	Donaghadee ...	30.02	62	WSW	2	ou	29.98	-.04	63	61	+2	W	2	c	2	ou	67	55	*	–
	Liverpool Obsy.	30.04	63	NNW	1	o	30.02	-.05	61	55	0	W	1	bc	1	o	67	55	*	–
	Holyhead ...	30.04	61	SW	2	bc	30.04	-.02	60	59	+3	WSW	1	em	1	bc	65	55	*	–
	Pembroke (St. Ann's)	30.07	63	NW	3	b	30.05	-.02	59	58	-1	WNW	3	ew	2	b	64	57	14.4	–
	Scilly (St. Mary's)...	30.06	69	N	1	b	30.07	+.02	63	58	+3	NNW	1	bc	2	b	75	56	14.3	–
	Jersey (St. Aubins)...	30.03	75	NW	2	bt	30.04	-.07	68	59	-5	NW	2	og	2	b,tr	83	60	14.7	0.02
	Portland Bill ...	30.05	69	Z	0	b	30.04	-.04	67	62	-1	NNW	1	bc	1	b	73	60	*	–
	Dungeness ...	30.05	66	ESE	3	b	30.02	-.07	68	62	-1	NE	1	c	0	m,b	74	56	*	–
	Wick	29.85	58	SE	2	bc	29.83	-.05	59	56	+4	SE	2	bc	1	bc	64	49	*	0.05
	Nairn	29.89	66	W	1	bc	29.84	-.05	60	60	-3	W	1	†	1	bc	71	54	*	0.06
	Aberdeen ...	29.91	68	SW	2	c	29.85	-.07	65	61	+7	S	2	bc	1	bc,c	72	57	1.6	–
	Leith	29.97	63	WSW	1	o	29.92	-.04	64	60	+2	WSW	2	c	*	o	67	57	*	–
	North Shields ...	30.00	65	NE	2	c	29.95	-.06	63	60	-1	W	2	c	2	c,p	73	57	*	–
	Spurn Head ...	30.04	64	SE	4	bc	29.99	-.07	63	60	0	SE	1	b	1	bc	69	57	*	–
	Yarmouth ...	30.06	67	ESE	2	b	30.00	-.07	66	61	0	S	3	bc	2	b	68	59	*	–
	Loughborough ...	30.02	81	Z	0	bc	30.01	-.08	67	56	+4	WNW	2	bw	*	bc,bm	83	50	*	–
	Oxford	30.02	77	W	3	b	30.03	-.05	67	58	+1	WNW	1	b	*	b	84	56	*	–
	London (Brixton)	30.01	82	S	1	b	30.02	-.06	69	61	+2	Z	0	c	*	b	87	57	13.4	–
GERMANY, &c.	The Scaw (Skagen)	30.01	54	W	2	b	30.08	+.23	55	53	-1	SW	1	b	0	b	63	50	*	–
	Fanö	30.10	57	WNW	2	o	30.12	+.10	60	58	+3	NE	2	o	*	o	63	55	*	–
	Cuxhaven ...	30.08	63	NW	2	o	30.12	+.06	58	57	-2	E	1	m	*	o,f	66	57	*	–
	The Helder ...	30.09	66	N	1	b	30.08	.00	67	63	+2	SE	1	b	0	b	70	59	*	–
	Brussels... ...	*	*	*	*	*	30.02	-.11	73	63	+5	ESE	2	b	*	b	84	58	*	–
	Berlin	30.06	65	N	2	o	30.10	-.03	64	61	+2	SE	1	b	*	o	70	57	*	–
	Frankfürt ...	30.05	70	ENE	2	b	30.06	-.09	69	61	+8	ENE	2	b	*	b	86	59	*	–
	Munich	30.15	68	SE	1	c	30.16	-.09	69	64	+9	Z	0	c	*	c	77	57	*	–
FRANCE.	C. Gris Nez ...	30.08	68	NE	3	b	30.05	-.07	69	65	-1	NNE	1	b	0	b	75	64	*	–
	Brest	30.15	67	NNE	1	b	30.06	-.09	61	59	-1	NNW	1	b	1	b	81	57	*	–
	Lorient	30.02	83	Z	0	b	30.02		65	61		ENE	2	o	2	b	84	64	*	–
	Rochefort ...	29.97	75	NW	3	c	30.03	-.02	70	68	-2	S	3	c		c	93	66	*	0.12
	Biarritz	30.03	71	W	5	o	30.10	.00	67	65	-3	NNW	4	t	2	o	77	64	*	0.08
	Paris	30.02	85	E	2	b	30.00	-.08	72	65	-9	NE	2	bc	*	b	91	63	*	–
	Belfort	29.98	85	W	4	m	30.02	-.12	70	63	+7	Z	0	m	*	m	89	63	*	–
	Lyons	30.03	90	ESE	1	b	30.04	-.12	74	60	+8	S	1	b	*	b	94	64	*	–
	Nice	30.12	75	ESE	1	b	30.06	-.06	73	62	-1	E	1	b	0	b	84	63	*	–
	Perpignan ...	30.08	73	E	3	b	30.07	-.10	74	69	+2	SW	2	b	*	b	83	67	*	–
SPAN. PEN.	Corunna ...																		*	
	Lisbon														*				*	
	Azores (P. Delgada)																		*	

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page*

WEATHER CHARTS

FOR Tuesday, 15th July, 1902

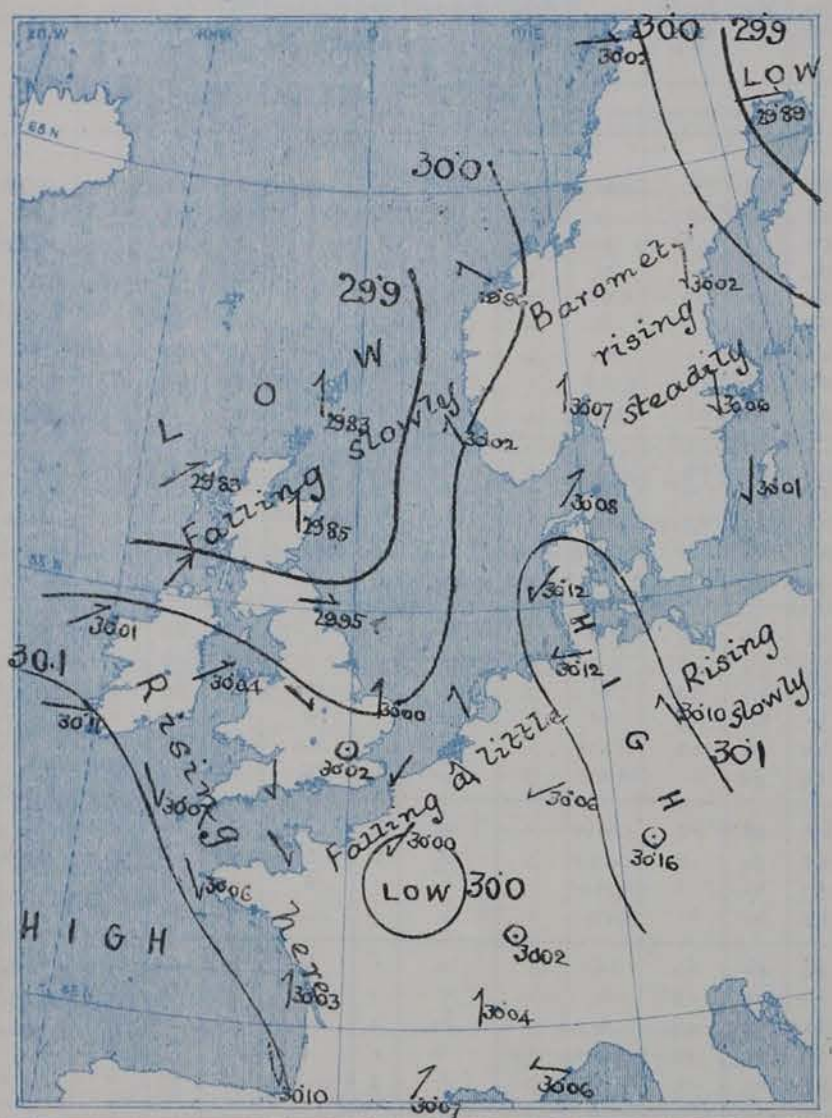
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

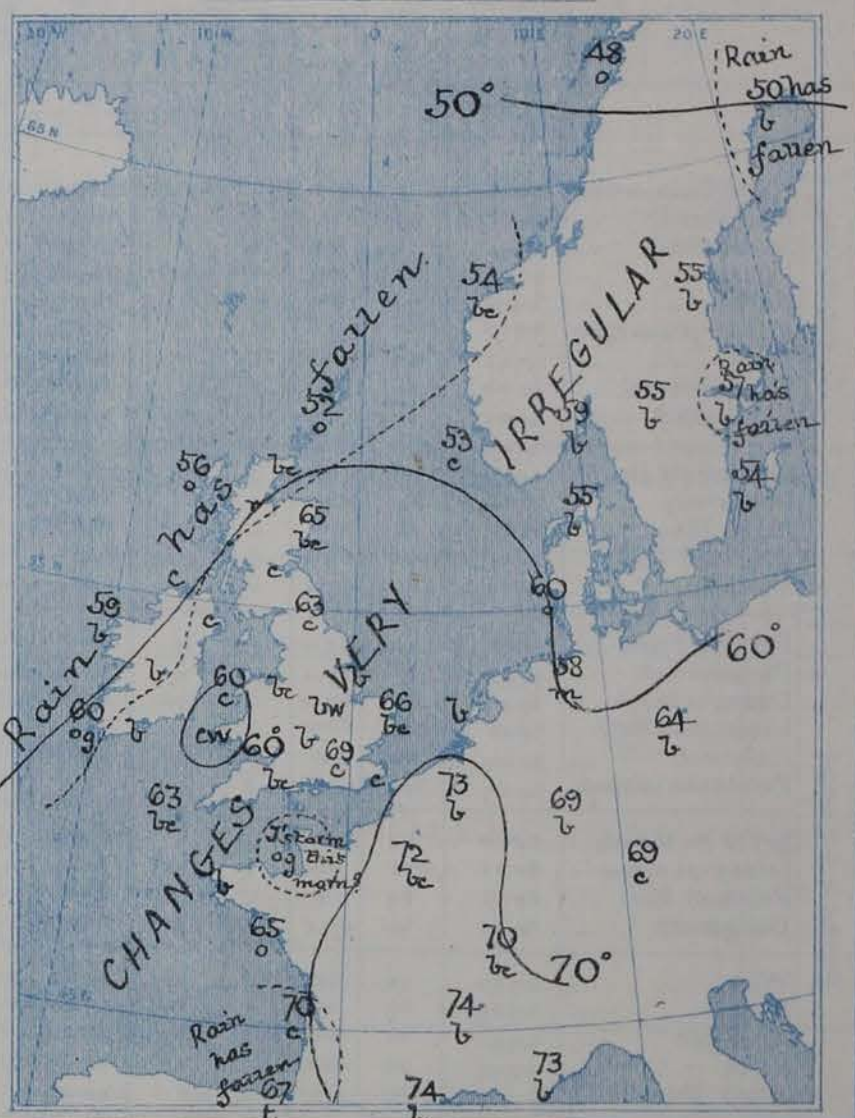


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



III. BAROMETER AND WIND

Yesterday morning.

IV. *Means of Daily Recorded* BRIGHT SUNSHINE *(1881–1900), together with Means of Possible Duration for* JULY.

Specimen (for Stornaway) — *Average No. of Hours daily* 4·6; *Total Possible* 17·2

V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Monthly period* JULY (1871–1900)

GENERAL SITUATION AT 8 A.M.

PRESSURE

The distribution of pressure over Western Europe remains very irregular. An area of high readings, 30·1 in. and upwards, is lying over [illegible] to the south of Denmark, while another area, with similar readings, extends from the Atlantic over the Bay of Biscay and the extreme south-west of Ireland. The barometer is lowest, 29·9 in. and less, in two [illegible] cyclones, one lying over and to the north-west of Scotland, and the other over Lapland; the former of these is moving away to the eastward, but the latter is apparently stationary and is occasioning a slight fall of the barometer in the northern parts of the United Kingdom. A small shallow disturbance, with readings below 30·0 in., is reported near Paris.

WIND

The wind is light from the Westward or South-westward at most of our own northern stations, but is N.W^ly in the south of our Islands and N^ly in the west and north of France. In the east of England and the north-east of Scotland, however, as well as in the west of Norway it is S^ly or S.E^ly; in Sweden it is chiefly N^ly.

TEMPERATURE

Temperature has changed very irregularly. Over the United Kingdom the thermometer remains high, the readings being above 60° on all but our extreme north and north-west coasts and above 65° over the eastern, central and southern parts of England. At many of the French stations the thermometer is slightly above 70°, the highest reading reported being 74° at Perpignan.

WEATHER AND SEA

The weather is fair or fine over western Europe as a whole, but is dull at Jersey and at some of the western and northern French stations, with thunder at Biarritz; dull weather is reported also at some of the northern Scotch stations, with rain at Nairn. The sea is slight or smooth generally.

During yesterday the thermometer rose to 80° and upwards over central and southern England and to 87° in London; readings above 85° were registered also in several parts of France, the highest readings reported being 93° at Rochefort and 91° at Paris. The amount of bright sunshine was large at all but the Scotch stations, more than 14 hours being recorded on some parts of our south and east coasts and as much as 15·1 hours at Hastings. Slight rain fell in Ireland and the west and north of Scotland, and also in the west of France; a thunderstorm occurred at Jersey between 3 and 4 a.m. to-day.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

With areas of high pressure existing both to the eastward and to the southwestward of our Islands, the conditions remain favourable for the development of small thunderstorm disturbances over France and the south of England. In the northern parts of our Islands a little rain is likely to accompany the larger depression over Scotland and which is inclined to spread southwards.

FORECASTS ※

For the 24 hours ending at NOON on 16th July, 1902

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S^ly or S.W^ly winds, light; changeable, some showers, thunder locally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	W^ly or S.W^ly winds, light; fair generally.
3	ENGLAND EAST	Light variable breezes; fair generally, but local thunderstorms still probable.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	S.W^ly to W^ly winds, moderate; cloudy, some showers.
7	ENGLAND N.W.	W^ly and N.W^ly winds, light; fair generally.
8	ENGLAND S.W.	
9	IRELAND NORTH	Same as No. 6.
10	IRELAND SOUTH	Same as Nos. 7 and 8.
	WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

※ *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea.	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	bc	*	b	73	52	14·0	—
Newton Reigny (Penrith)	30·00	72	NE 1	b	29·99	−·04	58	57	+2	S 1	o	*	b	75	52	3·5	0·01
Bath	30·03	80	W 1	b	30·05	−03	65	60	0	W 1	b	*	b	81	51	14·5	—

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs	Rainfall. Ins.
Harrogate, up to 6 p.m.	76	51	o, c, b	7·4	—	Worthing	*	*	*	14·2	*
Birmingham, 9 p.m.	81	55	b	13·1	—	Llandudno	*	*	*	11·1	*
Lowestoft, up to 6 p.m. ...	70	56	b	12·8	—	Rhyl up to 6 p.m.	*	*	*	9·8	*
Hastings	*	*	*	15·1	*	Southport, 9 p.m.	69	50	o, bc	9·3	—
Eastbourne up to 6 p.m. ...	*	*	*	13·7	*	Manchester, 9 p.m. ...					
Brighton	*	*	*	14·5	*	Darwen, 9 p.m.	74	50	ow	7·3	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 14 VII. 02	Temperature, F. Max. °	Temperature, F. Min. °	Weather.	Rain. Ins.	STATIONS. 15. VII. 02	Temperature, F. at 1 p.m. °	Weather.	Rain. (measured at 7 a.m.) Ins.
Marseilles	(Foreign		Reports		not yet received.)			
Utrecht					Geneva			
Copenhagen					Berne			
Prague					Lucerne			
Vienna					Lausanne			
Buda-Pesth					Lugano			
St. Petersburg					Locarno			
Rome								
Malta								
Madeira (Funchal)								

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

15. VII. 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	3. 48	11. 59	8. 9
Greenwich	4. 2	12. 6	8. 10
Wick	3. 31	12. 18	9. 4
Valencia	4. 39	12. 47	8. 54

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on WEDNESDAY 16TH JULY 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp Max.	Temp Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.97	54	W	3	b	29.93	+.04	59	50	+9	N	4	b	*	b	63	48	*	–
	Hernösand ...	30.01	54	Z	0	b	29.92	–.10	62	50	+7	S	2	b	*	b	66	46	*	–
	Stockholm ...	30.03	55	SE	2	b	29.94	–.12	66	57	+9	W	2	b	*	b	70	46	*	–
	Wisby	30.07	55	SW	2	b	29.95	–.06	57	52	+3	W	2	b	*	b	64	46	*	–
	Karlstad... ...	30.03	61	SW	2	b	29.95	–.14	57	56	+2	S	2	o	*	b,†	*	*	*	–
	Færder (X'iania Fjord)	30.01	58	SSW	4	o	29.91	–.16	59	57	0	SW	2	m	2	o	59	57	*	–
	Bodö	29.94	54	E	2	b	29.82	–.20	61	51	+13	ESE	2	b	1	b	?	48	*	–
	Christiansund ...	29.84	53	W	1	†	29.89	–.07	55	53	+1	W	1	c	2	†	61	52	*	0.24
	Skudesnaes ...	29.94	53	S	6	†	29.99	–.03	57	55	+4	NE	2	c	2	†	57	52	*	*
BRITISH ISLANDS.	Sumburgh Head	29.80	56	WSW	3	bc	29.89	+.06	52	50	0	W	3	c	3	c,bc	61	49	*	0.01
	Stornoway ...	29.87	59	WSW	5	o	29.96	+.13	54	52	–2	SW	1	o	1	p,o	66	49	7.7	0.07
	Malin Head ...	30.01	60	W	5	bc	30.04	+.10	58	56	0	SW	3	og	3	bc	61	54	*	–
	Blacksod Pt. ...	30.09	61	WSW	4	b	30.06	+.04	59	57	0	SW	3	obm	3	bcm,b	62	55	*	–
	Valencia... ...	30.18	62	W	2	c	30.12	+.01	58	57	–2	Z	0	og	3	c	64	53	10.9	–
	Roche's Point ...	30.12	70	NNW	2	b	30.13	+.06	59	57	–6	WNW	1	og	1	bc,b	72	55	*	–
	Parsonstown ...	30.10	67	NW	2	b	30.11	+.05	56	55	–.5	Z	0	o	*	b	70	52	9.2	–
	Donaghadee ...	30.06	58	NE	2	b	30.09	+.11	54	53	–9	W	1	bc	1	b	69	48	*	–
	Liverpool Obsy.	30.06	65	WNW	3	b	30.10	+.08	62	57	+1	Z	0	b	1	b	68	56	*	–
	Holyhead ...	30.08	65	SW	2	b	30.11	+.07	58	56	–2	Z	0	c	0	c,b	68	54	*	–
	Pembroke (St. Ann's)	30.09	62	NW	4	bc	30.08	+.03	62	59	+3	Z	0	cmw	1	bc	64	55	12.9	–
	Scilly (St. Mary's)...	30.12	64	NW	4	c	30.10	+.03	61	59	–2	WNW	3	bw	2	c	67	58	10.7	–
	Jersey (St. Aubins)...	30.08	70	WNW	3	bm	30.05	+.01	68	62	0	ENE	1	bm	1	cgm,bm	74	59	6.3	0.01
	Portland Bill ...	30.05	66	W	1	b	30.06	+.02	65	62	–2	ENE	1	b	2	b	72	61	*	–
	Dungeness ...	29.98	66	W	3	bc	30.04	+.02	66	61	–2	NE	3	b	1	bc	73	58	*	–
	Wick	29.87	60	NW	4	bc	29.95	+.12	60	54	+1	NW	2	bc	1	bc	69	52	*	–
	Nairn	29.90	63	W	3	c	29.97	+.13	58	54	–2	W	1	bc	1	c	68	51	*	0.01
	Aberdeen ...	29.92	61	E	1	c	30.00	+.15	61	54	–4	W	1	bc	1	bc,c	75	48	6.3	–
	Leith	29.97	64	WSW	3	b	30.03	+.11	57	54	–7	WSW	1	obm	*	b	72	52	*	–
	North Shields ...	29.96	71	SW	2	b	30.09	+.14	58	54	–5	W	3	c	2	cp,b	74	50	*	–
	Spurn Head ...	29.96	66	SE	2	b	30.06	+.07	63	57	0	N	3	bc	1	b	72	57	*	–
	Yarmouth ...	29.91	67	SSE	2	bm	30.05	+.05	63	57	–3	N	4	b	3	b,bm	68	57	*	–
	Loughborough ...	30.02	74	WNW	4	b	30.09	+.08	64	58	–3	NNE	1	bmw	*	bq,bem	81	48	*	–
	Oxford	30.02	70	N	2	b	30.08	+.05	66	59	–1	NE	2	b	*	b	82	54	*	–
	London (Brixton)	30.00	80	SW	3	b	30.06	+.04	65	59	–4	WSW	1	b	*	b	84	59	11.3	–
GERMANY, &c.	The Scaw (Skagen)	30.04	61	S	1	o	29.97	–.11	60	59	+5	SW	1	f	0	o	68	55	*	0.24
	Fanö	30.05	59	SW	1	bc	30.02	–.10	63	61	+3	S	2	b	*	bc	68	55	*	–
	Cuxhaven ...	30.04	68	ENE	1	b	29.95	–.17	65	62	+7	SSE	2	b	*	b	68	59	*	–
	The Helder ...	29.96	69	ENE	1	b	29.98	–.10	61	60	–6	NNE	2	o	1	b	77	59	*	–
	Brussels... ...	*	*	*	*	*	29.99	–.03	66	65	–7	SW	1	b	*	c	84	61	*	0.12
	Berlin	30.05	69	ENE	1	b	30.02	–.08	64	58	0	E	1	b	*	b	72	57	*	–
	Frankfürt ...	29.91	77	Z	0	b	29.95	–.11	70	66	+1	ENE	1	c	*	b	91	66	*	0.03
	Munich	30.06	70	Z	0	c	30.03	–.13	67	64	–2	E	4	c	*	c	82	63	*	–
FRANCE.	C. Gris Nez ...	30.02	68	SSW	2	b	30.06	+.01	63	59	–6	NNE	3	bc	2	b	73	59	*	–
	Brest	30.12	66	NNW	2	b	30.12	+.06	58	55	–3	N	1	b	1	b	77	57	*	–
	Lorient	30.02	76	NE	3	bc	30.08	+.06	63	60	–2	N	2	bc	2	bc	86	59	*	–
	Rochefort ...	30.03	70	WNW	4	c	29.97	–.06	67	63	–3	NE	3	o	*	c	79	64	*	0.20
	Biarritz	30.10	66	W	5	o	30.07	–.03	64	64	–3	WSW	5	o	3	o,bt	68	63	*	0.91
	Paris	30.02	77	NNE	2	b	30.00	.00	65	60	–7	NNE	2	b	*	b	78	61	*	0.28
	Belfort	29.88	81	E	2	o	29.94	–.08	65	63	–5	WSW	2	m	*	o	95	60	*	0.39
	Lyons	29.99	77	WNW	2	o	29.93	–.11	69	60	–5	N	1	bc	*	o	96	65	*	–
	Nice	30.00	72	SW	2	b	29.95	–.11	67	63	–6	SW	4	†	3	b	79	61	*	–
	Perpignan ...	29.96	71	E	2	o	29.95	–.12	70	63	–4	W	3	bc	*	o	82	64	*	0.08
SPAN. PEN.	Corunna ...																		*	
	Lisbon	30.15	65	NNW	5	b	30.08	–.10	70	64	+3	NNW	4	b	*	b	73	64	*	–
	Azores (P. Delgada)	30.32	70	WSW	2	b	30.28	–.02	71	68	0	W	1	bc	2	b	75	68	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page*

WEATHER CHARTS

FOR WEDNESDAY. 16TH JULY. 1902

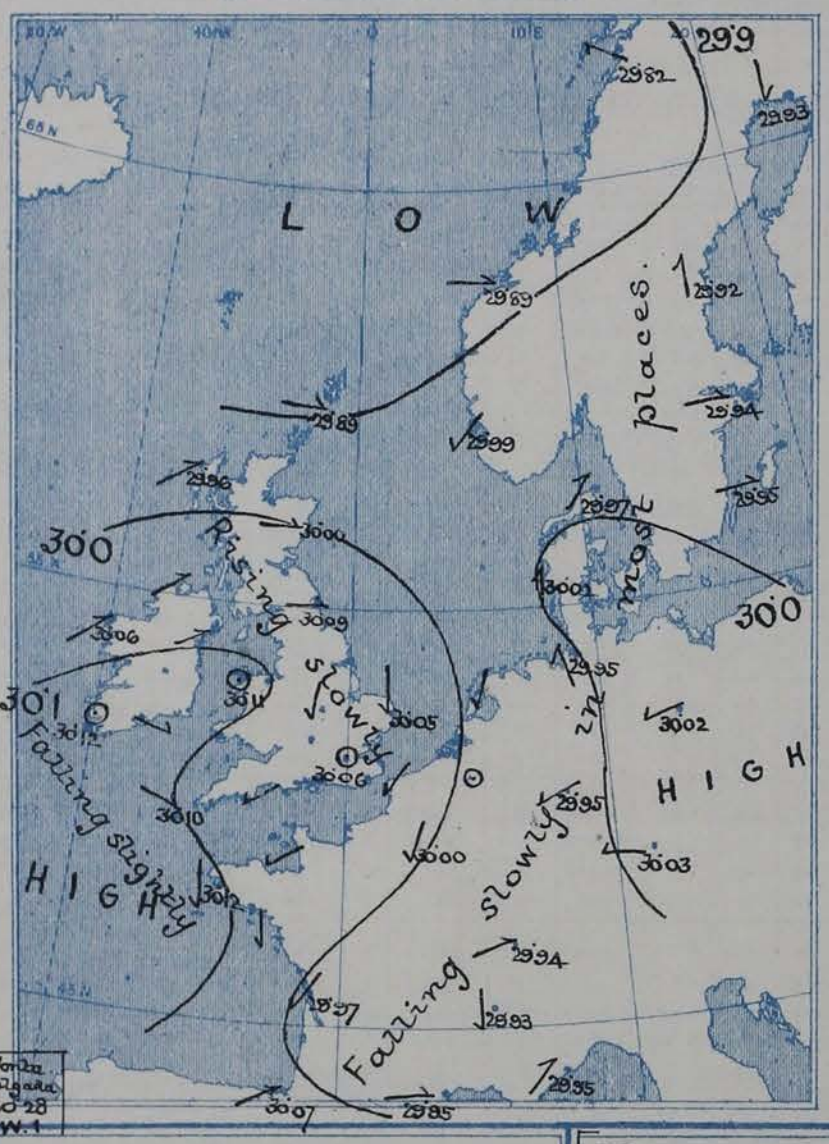
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

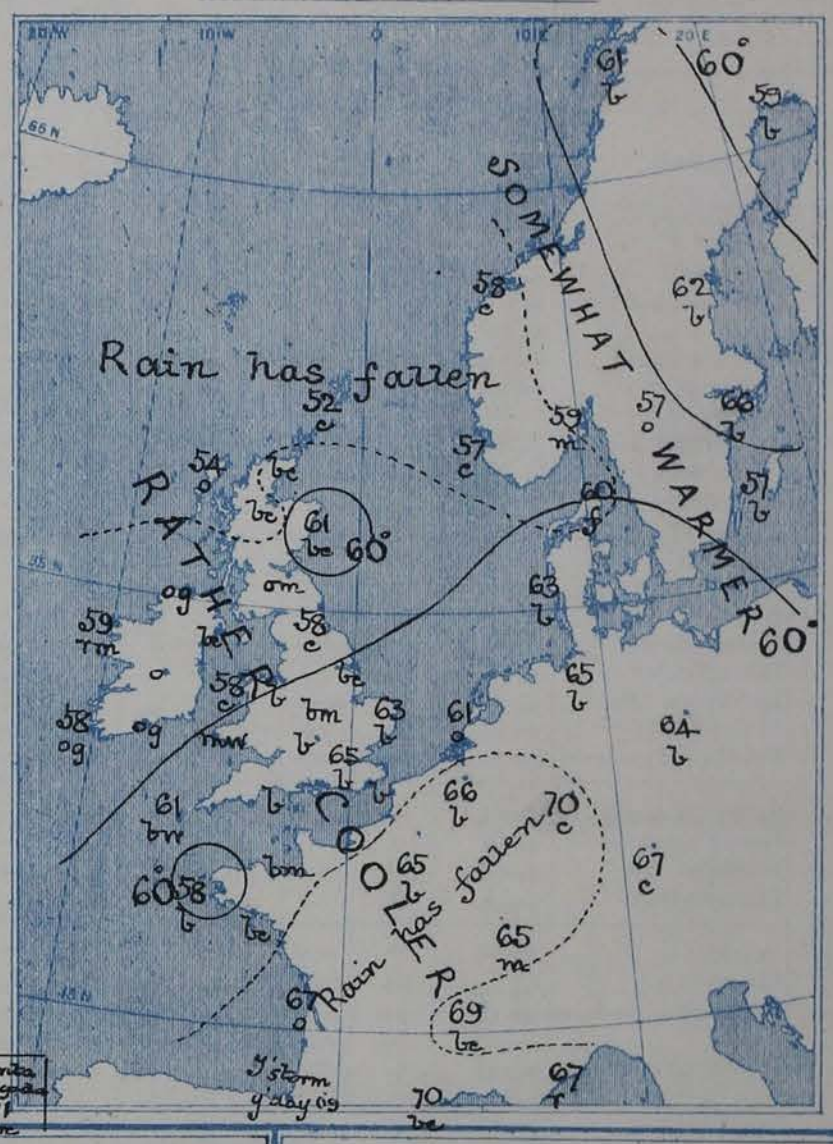


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

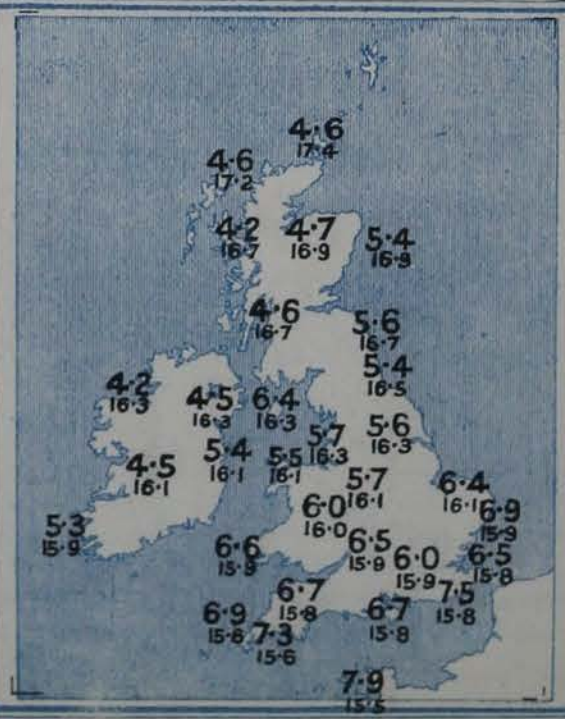


III. BAROMETER AND WIND

Yesterday morning.

IV. *Means of Daily Recorded* BRIGHT SUNSHINE *(1881–1900), together with Means of Possible Duration for* JULY.

Specimen (for Stornaway) { *Average No. of Hours daily* 4·6 / *Total Possible* 17·2 }



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Monthly period* JULY. *(1871–1900)*

GENERAL SITUATION AT 8 A.M.

PRESSURE

A large anticyclone is lying over the greater part of our islands and the north and west of France, the central portion of the system, with readings exceeding 30·1 in. being situated over the south of Ireland, the north-west of France and the adjacent parts of the Atlantic. Another high-pressure area, with readings exceeding 30·0 ins. is reported over Denmark and Germany, but this is apparently giving way and the barometer falling at most of the Continental stations, the lowest readings, 29.9 in and less, being found over the Shetlands and the north of Scandinavia. A slight fall of the barometer is reported also on our own extreme west and south-west coasts.

WIND

The wind is light from the South-westward in the north of Ireland and from the Westward in the northern parts of Great Britain, but is N^ly. in the east of England and N.E^ly. over the Channel and the north of France; in the south of France it is chiefly W^ly. In Germany the wind is E^ly, while in Denmark and Scandinavia it varies between South and West.

TEMPERATURE

Temperature has fallen at all but the Danish and Scandinavian stations, but over Great Britain it is still rather above the average, the thermometer in the south of England standing at or slightly above 65°. In the west and north of our islands the readings are mostly below 60°, the lowest reported being 52° at Sumburgh Head and 54° at Stornoway. In Germany and the south of France the readings range between 65° and 70°.

WEATHER AND SEA

The weather is fine over Western Europe as a whole, but is dull in Ireland and the west of Scotland, with rain at Blackrod Point; dull weather is reported also at some of the southern French stations and rain is falling at Nice. The sea is slight or smooth generally.

During yesterday the thermometer rose to 70° and upwards in most parts of Great Britain and the south of Ireland, and to 80° and upwards over the central and southern parts of England, the highest reading reported being 84° in London. At Frankfurt the thermometer rose to 91, at Belfort to 95° and at Lyons to 96°. The duration of bright sunshine was small over the United Kingdom generally, but large at some of our south and east stations; at Pembroke and Lowestoft it amounted to nearly 13 hours. Slight rain fell in the north of Scotland and larger quantities at many of the French stations; a thunderstorm again occurred at Biarritz.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is apparently moving eastwards, and the fall of the barometer which has commenced in the west probably indicates the advance of fresh low-pressure systems towards the Irish coasts. Rain is therefore likely to set in over Ireland and to spread gradually to the north-west of England and the west of Scotland.

FORECASTS*

For the 24 hours ending at NOON on 17th. July, 1902

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S.W^ly. winds, light or moderate; fair at first, some rain later.
1 SCOTLAND EAST	W^ly. to S.W^ly. winds, light, fair generally.
2 ENGLAND N.E.	
3 ENGLAND EAST	Light N^ly. to variable breezes; fair generally, cooler.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	S.W^ly. winds, moderate; dull, unsettled, some rain
7 ENGLAND N.W.	Variable breezes, finally S.W^ly.; fair at first, some rain later.
8 ENGLAND S.W.	Light variable breezes; fair, cool.
9 IRELAND NORTH	Same as No. 6.
10 IRELAND SOUTH	Same as No. 7.
WARNINGS	None issued

Note.—The **South Cone,** *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea.	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	b	*	bc,b	78	57	11·0	–
Newton Reigny (Penrith)	30·03	64	W 1	b	30·08	+·09	56	53	–2	W 1	c	*	bcm	70	46	8·5	–
Bath	30·03	73	W 2	b	30·08	+·03	65	58	0	SE 1	b	*	b	76	54	14·5	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs	Rainfall. Ins.
Harrogate, up to 6 p.m.	75	51	c,b	11·9	–	Worthing	*	*	*	7·7	*
Birmingham, 9 p.m.	75	54	b	12·3	–	Llandudno	*	*	*	9·3	*
Lowestoft, up to 6 p.m. ...	70	55	b	12·8	–	Rhyl up to 6 p.m.	*	*	*	7·5	*
Hastings	*	*	*	8·0	*	Southport, 9 p.m.	68	49	c,o,b	10·4	–
Eastbourne up to 6 p.m. ...	*	*	*	6·1	*	Manchester, 9 p.m. ...	77	52	b	11·0	–
Brighton	*	*	*	7·6	*	Darwen, 9 p.m.	69	49	bcw	11·3	–

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 15. VII. 02	Temperature, F. Max. °	Temperature, F. Min. °	Weather.	Rain. Ins.	STATIONS. 14. VII. 02	Temperature, F. at 1 p.m. °	Weather. 1 pm	Rain. (measured at 7 a.m.) Ins.
Marseilles	Reports	not rec^d			Geneva	81°	b	–
Utrecht					Berne	84	b	–
Copenhagen					Lucerne	79	b	–
Prague					Lausanne	?	?	–
Vienna					Lugano	86	b	–
Buda-Pesth					Locarno	?	?	–
St. Petersburg								
Rome								
Malta								
Madeira (Funchal)								

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

16 July., 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	3.49	11.59	8.8.
Greenwich	4.3	12.6	8.9
Wick	3.33	12.18	9.2
Valencia	4.40	12.47	8.53

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on THURSDAY 17TH JULY 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Temp. Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.82	65	ENE	2	bc	29.81	-.12	58	54	-1	NNE	2	o	*	bc	75	45	*	–
	Hernösand ...	29.84	57	SW	2	b	29.82	-.10	59	54	-3	NE	2	b	*	b	68	43	*	–
	Stockholm ...	29.81	62	W	2	o	29.82	-.12	63	54	-3	N	2	c	*	o	70	48	*	–
	Wisby	29.84	59	SW	2	c	29.78	-.17	59	57	+2	S	2	f	*	c	66	48	*	–
	Karlstad... ...	29.84	62	SSW	2	b	29.81	-.14	59	57	+2	SE	2	o	*	b	*	*	*	–
	Færder (X'iania Fjord)	29.85	58	S	2	m	29.80	-.11	55	54	-4	E	2	m	2	m	61	54	*	–
	Bodö	29.92	53	Z	0	o	29.93	+.11	55	52	-6	Z	0	bc	0	o	61	48	*	–
	Christiansund ...	29.95	52	W	4	o	29.96	+.07	51	49	-4	Z	0	o	2	o	57	48	*	–
	Skudesnaes ...	29.99	55	NNW	4	f	29.92	-.07	53	50	-4	NNW	4	o	2	f	59	52	*	*
BRITISH ISLANDS.	Sumburgh Head	29.95	52	S	1	o	29.82	-.07	53	53	+1	S	1	†	2	bc,o	55	50	*	0.13
	Stornoway ...	29.86	56	SW,	4	†	29.80	-.16	54	52	0	WSW	2	o	2	†	57	52	0.0	0.28
	Malin Head ...	29.97	57	SW	4	†	29.97	-.07	55	54	-3	WNW	7	cp	4	c,r	60	53	*	0.26
	Blacksod Pt. ...	30.00	60	SW	4	omp	30.08	+.02	58	54	-1	WNW	3	bc	2	op,omp	61	53	*	0.14
	Valencia... ...	30.10	63	WSW	2	bc	30.13	+.01	60	57	+2	NW	2	bc	4	c,bc	66	57	7.7	–
	Roche's Point ...	30.07	62	WSW	3	c	30.11	-.02	59	57	0	NW	2	o	1	bc,c	65	51	*	–
	Parsonstown ...	30.04	66	W	2	c	30.08	-.03	56	55	0	NNW	4	o	*	p,c	67	53	4.5	0.02
	Donaghadee ...	30.01	61	SW	2	c	30.00	-.09	57	54	+3	NW	3	cp	2	c	63	52	*	0.25
	Liverpool Obsy.	30.05	60	NNW	1	o	30.02	-.08	58	56	-4	W	3	o	3	o	64	54	*	–
	Holyhead ...	30.05	61	S	1	c	30.03	-.08	62	58	+4	W	3	c	2	o,c	62	54	*	–
	Pembroke (St. Ann's)	30.07	61	NW	1	b	30.05	-.03	58	56	-4	NW	3	cw	2	b	63	56	9.2	–
	Scilly (St. Mary's)...	30.10	60	NNW	4	b	30.11	+.01	61	58	0	WNW	1	b	2	b	67	57	11.7	–
	Jersey (St. Aubins)...	30.06	70	WNW	3	ogm	30.10	+.05	64	59	-4	NW	3	bc	3	bm,ogm	75	59	11.7	–
	Portland Bill ...	30.04	66	WNW	1	b	30.09	+.03	59	58	-6	WNW	3	b	2	b	73	56	*	–
	Dungeness ...	30.01	63	ESE	4	b	30.02	-.02	62	58	-4	SSW	2	c	2	b	70	58	*	–
	Wick	29.88	56	S	2	o	29.80	-.15	58	56	-2	W	1	o	1	o	62	52	*	0.15
	Nairn	29.92	59	W	1	b	29.82	-.15	59	54	+1	W	2	c	1	b	64	51	*	0.06
	Aberdeen ...	29.98	56	SSE	1	†	29.85	-.15	60	55	-1	SW	1	ogp	1	†	65	53	5.2	0.10
	Leith	29.98	64	WSW	1	o	29.89	-.14	62	56	+5	WSW	3	b	*	o	67	53	*	–
	North Shields ...	30.03	58	SE	2	o	29.93	-.16	58	55	0	SW	2	o	2	o	65	49	*	–
GERMANY, &c.	Spurn Head ...	30.04	59	ESE	3	c	29.98	-.08	59	56	-4	W	3	bc	2	c	66	55	*	–
	Yarmouth ...	30.00	64	ENE	3	b	30.00	-.05	62	57	-1	NW	2	bc	2	b	66	55	*	–
	Loughborough ...	30.01	69	W	1	c	30.03	-.06	63	57	-1	W	3	c	*	c,om,bc	73	48	*	–
	Oxford	30.01	67	Z	0	b	30.05	-.03	62	57	-4	W	1	bc	*	b	75	53	*	–
	London (Brixton)	30.01	69	W	1	o	30.04	-.02	62	56	-3	Z	0	bc	*	o,b	76	53	7.3	–
	The Scaw (Skagen)	29.87	58	W	1	m	29.80	-.17	59	57	-1	W	1	bc	0	m	63	52	*	–
	Fanö	29.93	57	NNW	4	b	?	?	58	54	-5	NNW	4	b	*	b	70	50	*	–
	Cuxhaven ...	29.91	66	NW	3	b	29.89	-.06	61	57	-4	N	3	b	*	b	70	59	*	–
	The Helder ...	29.98	61	N	1	b	29.98	.00	58	55	-3	NNW	1	c	1	b	68	57	*	–
	Brussels... ...	*	*	*	*	*	30.03	+.04	62	55	-4	NE	1	b	*	o	80	50	*	–
	Berlin	29.89	73	ENE	1	b	29.84	-.18	69	63	+5	ESE	1	b	*	b	79	63	*	–
	Frankfürt ...	29.86	73	NNE	1	c	29.87	-.08	69	64	-1	N	2	o	*	c	84	66	*	–
	Munich	29.96	70	E	1	c	29.97	-.06	67	63	0	SW	4	bc	*	c	77	61	*	–
FRANCE.	C. Gris Nez ...	30.03	63	NE	4	b	30.06	.00	62	60	-1	Z	0	b	0	b	73	57	*	–
	Brest	30.10	63	N	2	b	30.13	+.01	59	58	+1	N	2	bc	1	b	68	57	*	–
	Lorient	30.06	72	NW	4	bc	30.09	+.01	62	59	-1	NNW	3	bc	2	bc	75	55	*	–
	Rochefort ...	29.96	72	NW	4	c	30.06	+.09	64	61	-3	NNW	4	b	*	c	75	61	*	–
	Biarritz	30.12	66	W	6	o	30.15	+.08	66	63	+2	W	3	c	4	o	66	64	*	0.08
	Paris	29.94	77	NNE	3	b	30.06	+.06	62	57	-3	N	2	b	*	b	83	57	*	–
	Belfort	29.83	71	S	4	t	29.95	+.01	62	62	-3	WSW	4	†	*	t	86	61	*	1.02
	Lyons	29.95	64	SE	1	t	30.02	+.09	65	64	-4	N	1	o	*	t,r	83	60	*	0.59
	Nice	29.86	75	SSW	3	bc	29.89	-.06	63	61	-4	ENE	5	†	3	bc	86	61	*	1.38
	Perpignan ...	29.94	73	W	5	c	30.00	+.05	72	64	+2	NW	4	c	*	c	83	69	*	–
SPAN. PEN.	Corunna ...																		*	
	Lisbon														*				*	
	Azores (P. Delgada)																		*	

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page*

WEATHER CHARTS

FOR THURSDAY, 17th JULY, 1902

I. BAROMETER, WIND AND SEA. *This Morning.*

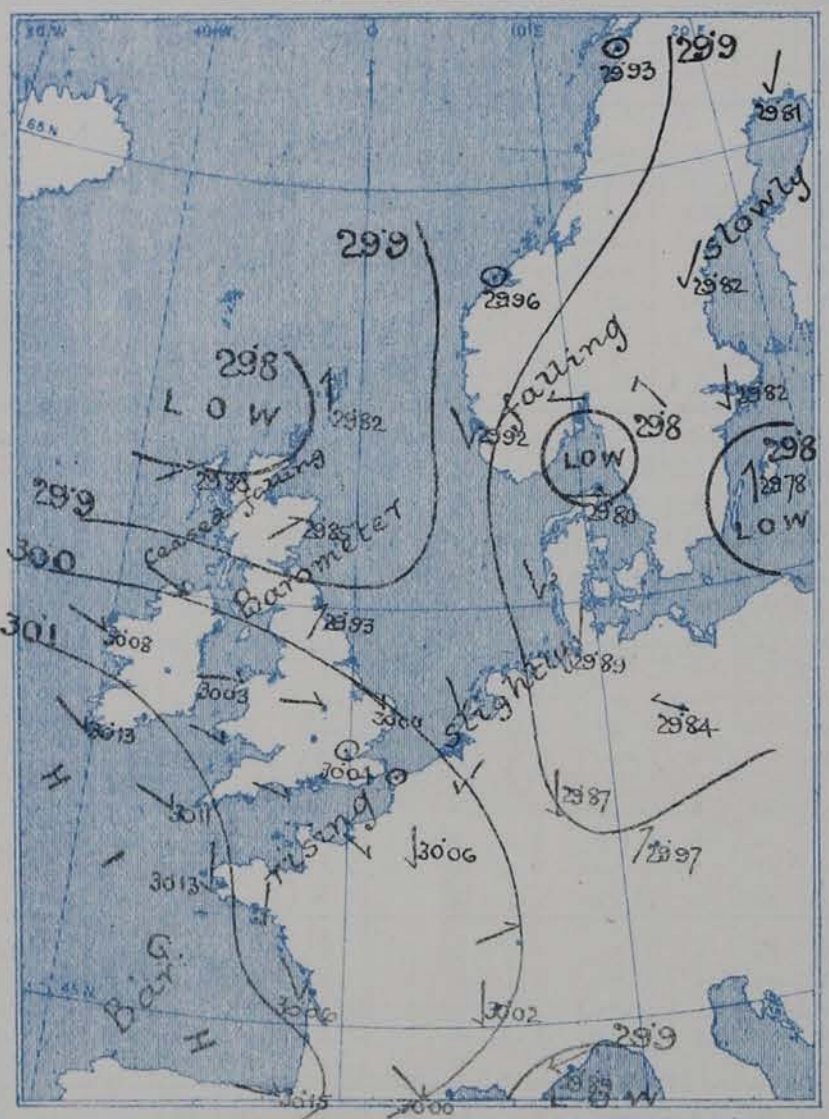
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

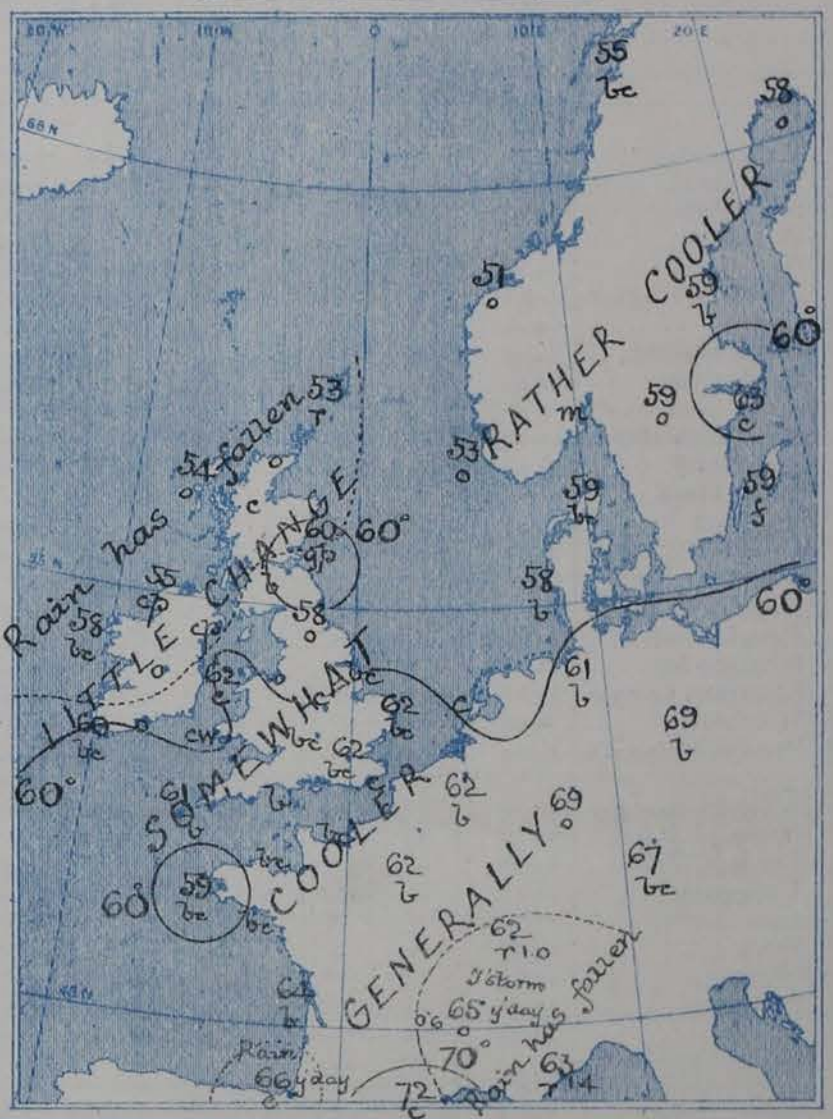


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

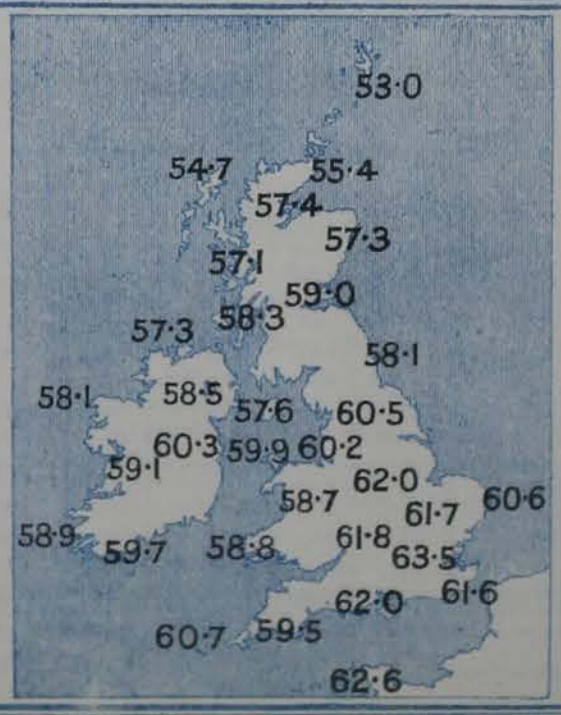


III. BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES

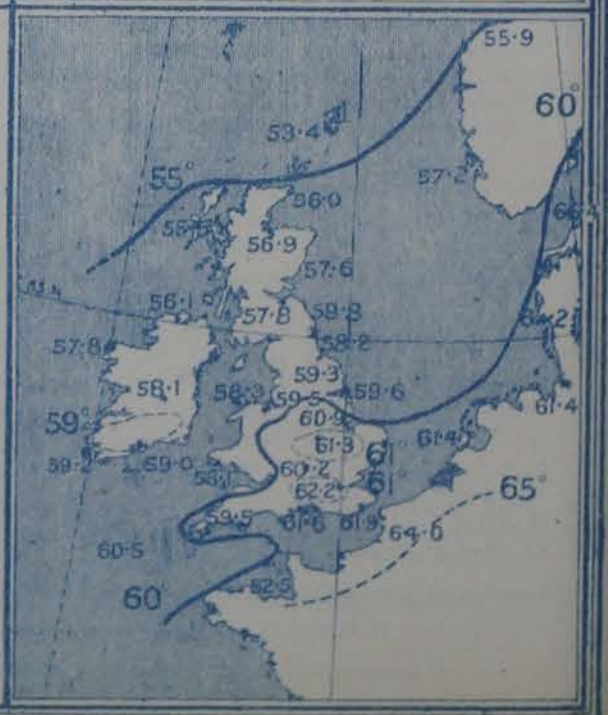
Combined for the month of JULY. *(1871–95.)*



V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Monthly period

JULY. *(1871–1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The anticyclone of yesterday has receded southwards, the highest pressures, 30·1 in. and upwards being now found over the extreme south-west of our islands, the Bay of Biscay and the adjacent parts of the Atlantic. A shallow cyclonic system with readings below 29·8 in. has appeared off the north of Scotland, and other small disturbances with similarly low readings are shown respectively over the Skager Rack and the northern parts of the Baltic, a slight fall of the barometer being in progress over nearly the whole of Scandinavia, Denmark and the North Sea. In France and the west and south of our islands the mercury is rising slightly.

WIND

The wind is light from the W. or N.W. over the greater part of our islands and from the N.W. or N. in the western parts of the Continent, but is S.W'ly. on our own north-east coasts; calms are reported in the west of Norway.

TEMPERATURE

Temperature has changed very little in Ireland and Scotland, but has fallen in most other parts of our area. Over the United Kingdom the readings now differ very little from the average, the thermometer being a little above 60° over the eastern and central parts of England and in the south-east of Scotland, but only slightly above 55° over the northern and central parts of Ireland, and below 55° in the Shetlands and Hebrides. Over central France the readings are about the same as in England, but in Germany and the south of France they are above 65°; the highest reported being 72° at Perpignan.

WEATHER AND SEA

The weather is fair or fine over Western Europe as a whole, but is cloudy or showery at several of our own northern stations; dull weather is reported in the east and south-east of France, and rain is falling at Belfort and Nice. The sea is smooth generally, but is moderate at Malin Head and Valencia.

During yesterday the thermometer rose to 70° and upwards over the central and southern parts of England, to 75° at Oxford and to 76° in London; in France it exceeded 80° and at Belfort and Nice it rose to 86°. The amount of bright sunshine was large on our south and east coasts, but small elsewhere; solar halos were seen at Loughborough and Oxford. A little rain fell in Ireland and the west and north of Scotland, and considerable quantities in the east and south of France (as much as 1·4 in. at Nice and 1·0 in. at Belfort); a thunderstorm occurred at Lyons in the afternoon.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone appears to be now spreading northwards again, and fair weather is likely to continue over all the more southern parts of the United Kingdom. The cyclonic system in the north will probably move away to the eastward or north-eastward, but is likely to be followed by other disturbances advancing towards the Scotch coasts.

FORECASTS*

For the 24 hours ending at NOON on 18th July, 1902

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W'ly. and S.W'ly. winds, light; cloudy, some showers.
1 SCOTLAND EAST	
2 ENGLAND N.E.	W'ly. and S.W'ly. winds, light; cool, cloudy, local showers.
3 ENGLAND EAST	W'ly. and N.W'ly. winds, light; fair generally.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	W'ly. winds, moderate; cool, changeable, some showers.
7 ENGLAND N.W.	Same as Nos. 3 to 5.
8 ENGLAND S.W.	N.W'ly. winds, light; fine generally.
9 IRELAND NORTH	Same as No. 6.
10 IRELAND SOUTH	Same as No. 8
WARNINGS	None issued.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea.	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	c	*	b	69	54	14·0	—
Newton Reigny (Penrith)	30·02	57	N 1	0	29·96	−·12	57	55	+1	W 1	0	*	cmr	64	48	3·7	0·01
Bath	30·02	72	W 2	b	30·07	−·01	62	57	−3	W 1	b	*	b	74	49	10·4	—

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs	Rainfall. Ins.
Harrogate, up to 6 p.m.	70	48	b, c, o	7·7	—	Worthing	*	*	*	12·1	*
Birmingham, 9 p.m.	69	54	c	1·3	0·03	Llandudno	*	*	*	5·3	*
Lowestoft, up to 6 p.m. ...	63	56	c	13·7	—	Rhyl up to 6 p.m.	*	*	*	2·8	*
Hastings	*	*	*	11·8	*	Southport, 9 p.m.	65	52	o, c, b	4·4	—
Eastbourne up to 6 p.m. ...	*	*	*	12·2	*	Manchester, 9 p.m. ...	73	53	c, o	1·5	—
Brighton	*	*	*	11·3	*	Darwen, 9 p.m.	67	52	c, v	3·3	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 16th JULY	Temperature, F. Max. °	Temperature, F. Min. °	Weather.	Rain. Ins.	STATIONS. 15th JULY	Temperature, F. at 1 p.m. °	Weather.	Rain. (measured at 7 a.m.) Ins.
Marseilles	86	64	o, c	—	Geneva	81	b	—
Utrecht	79	?	c, b	—	Berne	88	b	—
Copenhagen	66	55	b, c	—	Lucerne	84	b	—
Prague	63	55	bc f	0·35	Lausanne	?	?	—
Vienna	81	61	bc, c	—	Lugano	90	bc	—
Buda-Pesth	81	61	c, c	—	Locarno	?	?	—
St. Petersburg	72	55	o, o	? 0·32				
Rome	89	65	b b	—				
Malta	82	64	b	—				
Madeira (Funchal)	—	—	—	—				

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

17th JULY, 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	3.50	11.59	8.7
Greenwich	4.4	12.6	8.8
Wick	3.34	12.18	9.1
Valencia	4.41	12.47	8.52

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† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on FRIDAY 18TH JULY 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday.	Wind. Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.70	59	N	4	o	29.68	-.13	57	55	-1	NW	4	c	*	–	66	57	*	–
	Hernösand ...	29.78	58	Z	0	o	29.75	-.07	63	57	+4	Z	0	o	*	–	68	46	*	–
	Stockholm ...	29.79	58	S	2	b	29.76	-.06	64	58	+1	ESE	2	b	*	–	72	52	*	–
	Wisby	29.82	60	S	2	b	29.73	-.05	63	60	+4	S	2	bc	*	–	66	48	*	–
	Karlstad... ...	29.76	63	Z	0	bc	29.74	-.07	58	55	-1	S	4	o	*	–	*	*	*	–
	Færder (X'iania Fjord)	29.73	59	SSW	2	m	29.72	-.08	60	56	+5	NNW	2	bc	2	–	63	54	*	–
	Bodö	29.93	53	Z	0	c	29.86	-.07	53	50	-2	WNW	2	c	1	–	55	48	*	–
	Christiansund ...	29.91	52	NE	2	o	29.92	-.04	50	48	-1	NE	2	†	2	–	54	50	*	0.04
	Skudesnaes ...	29.88	53	NNW	4	c	29.86	-.06	54	50	+1	NNW	4	c	2	b,c	57	50	*	*
BRITISH ISLANDS.	Sumburgh Head	29.84	54	ENE	1	o	29.95	+.13	49	48	-4	NW	2	o	4	o	56	46	*	0.11
	Stornoway ...	30.02	50	NNW	7	o	30.13	+.33	49	48	-5	N	4	o	4	o	58	47	0.1	0.03
	Malin Head ...	30.06	54	NW	6	c	30.15	+.18	54	51	-1	NW	5	bc	4	bc,c	57	50	*	0.03
	Blacksod Pt. ...	30.14	60	NNW	4	bp	30.23	+.15	56	52	-2	NNW	4	b	3	c,bp	62	48	*	0.05
	Valencia... ...	30.19	61	NW	3	bc	30.25	+.12	58	55	-2	NNW	1	c	4	bc	62	44	13.7	–
	Roche's Point ...	30.07	65	NNW	3	b	30.23	+.12	55	52	-4	N	1	b	0	c,b	67	50	*	–
	Parsonstown ...	30.09	65	NW	4	bc	30.23	+.15	55	51	-1	NW	2	b	*	bc	68	42	7.9	–
	Donaghadee ...	30.06	55	NE	3	cp	30.13	+.13	53	50	-4	N	3	c	3	cp	64	47	*	0.23
	Liverpool Obsy.	30.05	61	WNW	3	b	30.09	+.07	53	49	-5	WNW	4	c	4	b	63	51	*	–
	Holyhead ...	30.06	60	SW	2	b	30.14	+.11	55	50	-7	NNW	4	bc	3	bc,b	63	50	*	–
	Pembroke (St. Ann's)	30.09	60	W	3	bc	30.15	+.10	55	52	-3	NE	6	bc	4	–	62	52	8.2	–
	Scilly (St. Mary's)...	30.14	64	NW	3	c	30.14	+.03	60	57	-1	N	3	c	1	c	66	57	10.9	–
	Jersey (St. Aubins)...	30.11	64	WNW	3	bc	30.11	+.01	62	57	-2	NW	3	bcm	3	bc	69	56	10.5	–
	Portland Bill ...	30.08	63	NNW	2	bc	30.10	+.01	61	58	+2	N	1	b	1	bc	65	54	*	–
	Dungeness ...	30.01	65	W	4	b	30.08	+.06	59	55	-3	N	2	c	1	c,b	72	55	*	–
	Wick	29.87	50	N	3	o	30.03	+.23	49	48	-9	N	4	o	2	tr,o	62	45	*	0.72
	Nairn	29.92	52	W	4	c	30.07	+.25	50	46	-9	NW	3	c	2	tr,c	64	44	*	0.55
	Aberdeen ...	29.86	56	SW	1	c	29.98	+.13	50	47	-10	NW	5	cqp	3	tp,bc,c	62	46	4.1	0.30
	Leith	29.90	60	WSW	3	bc	30.04	+.15	59	51	-3	NW	3	c	*	–	66	50	*	–
	North Shields ...	29.91	65	SW	3	bc	30.03	+.10	52	48	-6	NW	2	o	2	p,b,bc	68	49	*	–
GERMANY, &c.	Spurn Head ...	29.97	63	W	5	c	29.99	+.01	53	51	-6	NW	4	c	2	–	68	51	*	–
	Yarmouth ...	30.00	65	NNE	2	c	30.01	+.01	58	52	-4	NW	4	bc	2	bc,c	67	51	*	0.04
	Loughborough ...	30.01	66	W	4	bc	30.08	+.05	55	50	-8	WNW	4	cqw	*	cpq,bc	72	48	*	0.02
	Oxford	30.04	64	WNW	2	c	30.10	+.05	56	51	-6	NNW	2	c	*	p,u,c	71	49	*	–
	London (Brixton)	30.02	69	W	2	bc	30.08	+.04	59	53	-3	NNE	2	bc	*	bc,cp,b	76	52	8.0	–
	The Scaw (Skagen)	29.77	57	W	3	b	29.77	-.03	58	55	-1	W	3	b	1	–	64	54	*	–
	Fanö	29.95	58	N	4	o	29.94	?	59	57	+1	W	4	c	*	–	61	55	*	–
	Cuxhaven ...	29.98	62	NW	3	c	29.95	+.06	60	57	-1	SW	2	c	*	–	63	55	*	–
	The Helder ...	29.98	62	W	1	bc	29.98	.00	61	57	+3	NW	1	b	1	–	66	57	*	–
	Brussels... ...	*	*	*	*	*	30.02	-.01	60	58	-2	WNW	3	o	*	–	75	53	*	–
	Berlin	29.88	66	W	1	o	29.99	+.15	60	55	-9	W	2	b	*	–	72	54	*	0.16
	Frankfürt ...	30.02	65	NNW	2	bc	30.02	+.15	64	58	-5	SW	2	b	*	–	75	57	*	–
	Munich	30.06	64	W	4	c	30.12	+.15	64	60	-3	SW	1	b	*	–	79	57	*	0.16
FRANCE.	C. Gris Nez ...	30.07	65	WSW	1	b	30.08	+.02	59	59	-3	NNE	4	o	2	–	72	57	*	–
	Brest	30.14	64	NNW	2	c	30.15	+.02	57	54	-2	NE	1	c	0	–	68	54	*	–
	Lorient	30.09	71	NW	3	bc	30.12	+.03	59	57	-3	NNE	2	c	2	–	77	55	*	–
	Rochefort ...	30.05	67	NW	3	bc	30.05	-.01	64	62	0	E	1	o	*	bc	72	59	*	–
	Biarritz	30.12	68	N	2	c	30.12	-.03	65	65	-1	Z	0	m	1	–	72	63	*	–
	Paris	30.04	74	NNE	2	o	30.04	-.02	60	57	-2	NNE	2	o	*	–	78	?	*	–
	Belfort	29.94	73	WSW	3	m	30.01	+.06	62	58	0	ENE	2	m	*	–	76	55	*	–
	Lyons	30.00	77	N	1	bc	30.04	+.02	69	59	+4	N	1	b	*	–	82	61	*	–
	Nice	29.88	73	SW	2	b	29.93	+.04	73	66	+10	E	1	b	0	–	84	63	*	–
	Perpignan ...	29.95	82	NW	4	b	30.01	+.01	77	69	+5	W	2	b	*	–	88	66	*	–
SPAN. PEN.	Corunna ...														*				*	
	Lisbon														*				*	
	Azores (P. Delgada)																		*	

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR FRIDAY, 18TH JULY, 1902

I. BAROMETER, WIND AND SEA. *This Morning.*

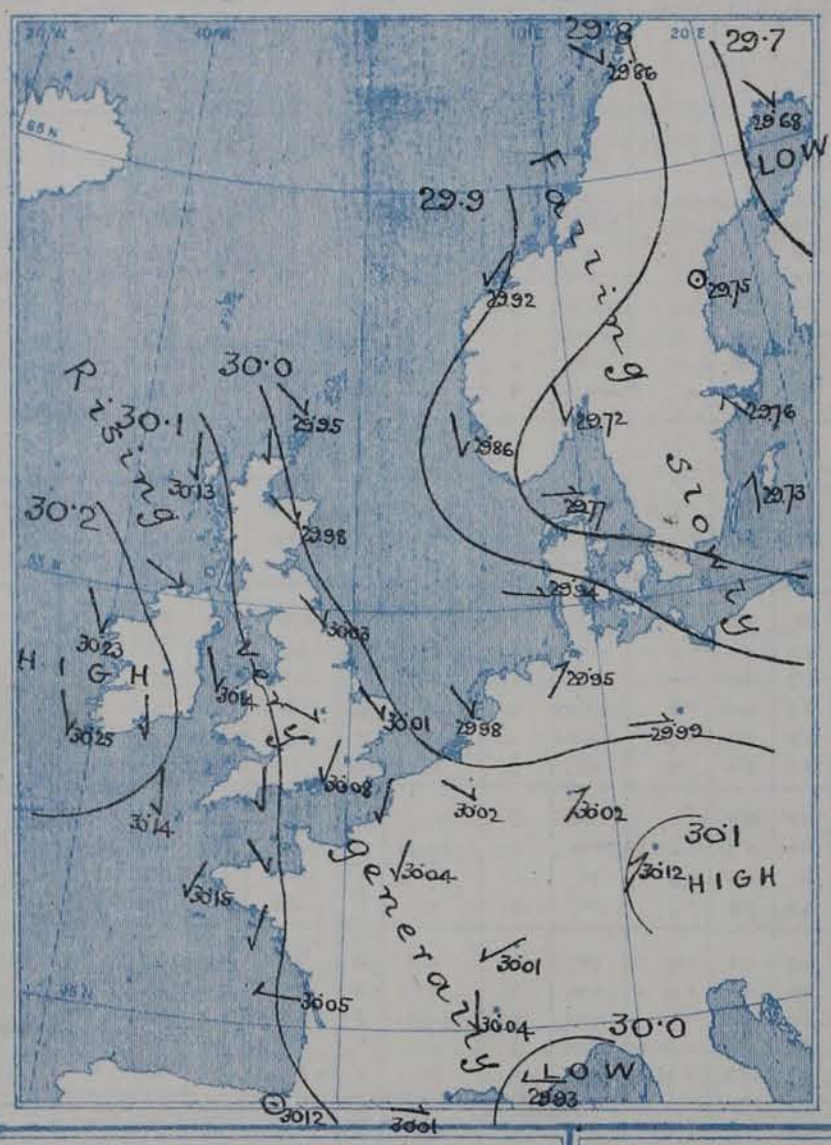
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*



II. TEMPERATURE AND WEATHER. *This Morning*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P 4.)

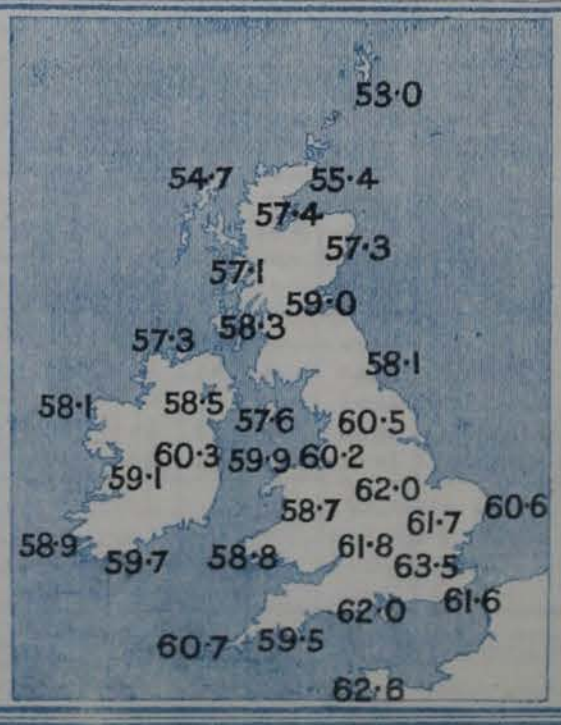
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

III. BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES

Combined for the month of JULY. *(1871–95.)*



V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Monthly period

JULY. *(1871–1900)*

GENERAL SITUATION AT 8 A.M.

PRESSURE

The cyclonic system noticed yesterday off the north of Scotland has moved eastwards, and has apparently dispersed, and the anticyclone to the south-westward of our islands has extended northwards over all our western districts. The highest pressures, 30·2 ins. and upwards, are now found over Ireland, and the barometer is rising over Western Europe generally. The lowest readings, 29·7 ins. and less, are reported over the north of Sweden, but a subsidiary hollow lies over the south of that country, and the mercury is still falling at the Scandinavian stations generally.

WIND

The wind has veered to the N^d. or NW^d. over the whole of our islands and the neighbouring parts of the Continent, and blows freshly on some of the more exposed parts of our northern coasts. In Denmark and Germany it is light from the W^d. or S.W^d., while in the south of Sweden it is chiefly S^ly.

TEMPERATURE

Temperature has fallen in most places, and is below the average over Western Europe generally. In our islands the morning readings are nearly all below 60°, and at most of our northern stations they are below 55°; while in Caithness, the Shetlands and the Hebrides they are slightly below 50°. At some of the English Channel stations the thermometer is slightly above 60°, similar readings being reported over France, Germany and the Netherlands and also over the central parts of Sweden; in the extreme south of France the thermometer is above 65°, and at Nice it stands at 73°.

WEATHER AND SEA

The weather is fine in the west and south of our islands and also over Holland, Germany and the south of France, but is cloudy in most other parts of our area; showers are falling at Aberdeen, and steady rain at Christiansund. The sea is moderate in the extreme west and north, slight or smooth elsewhere.

During yesterday the thermometer rose to 70° and upwards over the central and southern parts of England, and to 76° in London; readings above 75° were reported also in many parts of France and Germany. The amount of bright sunshine was small at the Scotch stations, but rather large over England and Ireland, the largest duration reported being 13·7 hrs. at Valencia. Rain fell over the northern parts of Ireland and Scotland - heavily at Wick and Nairn (where thunder occurred), and showers were experienced at some of the English stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The western anticyclone seems likely to spread eastwards, so that fair weather is probable over the greater part of the United Kingdom. At some of our northern and eastern stations, however, showers are likely to be occasioned by small shallow systems moving southwards over the North Sea in the rear of the Swedish low-pressure area.

FORECASTS*

For the 24 hours ending at NOON on 19th July, 1902

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N^ly. and N.W^ly. winds, moderate; cool, changeable, some showers.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	N.W^ly. winds, light; cool, fair generally, but local showers.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	N^ly. winds, light or moderate; fair generally.
7 ENGLAND N.W.	
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea.	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	b	*	bc, b	74	49	10·1	—
Newton Reigny (Penrith)	29·99	58	W4	bc	30·05	+·09	50	49	−7	WNW2	0	*	c, b, ot	66	47	10·5	0·02
Bath	30·04	67	W3	b	30·10	+·03	60	56	−2	NW1	0	*	—	71	45	12·5	—

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Harrogate, up to 6 p.m.	68	48	c, bv	9·2	—	Worthing	*	*	*	10·3	*
Birmingham, 9 p.m.	70	51	b	7·2	—	Llandudno	*	*	*	9·0	*
Lowestoft, up to 6 p.m. ...	66	51	c	10·0	—	Rhyl up to 6 p.m.	*	*	*	7·0	*
Hastings	*	*	*	11·3	*	Southport, 9 p.m.	63	50	o, c	8·6	—
Eastbourne up to 6 p.m. ...	*	*	*	12·2	*	Manchester, 9 p.m. ...	71	49	cu, b	9·5	—
Brighton	*	*	*	11·0	*	Darwen, 9 p.m.	63	49	c, v, w	6·5	0·19

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 17th JULY	Temperature, F. Max. °	Temperature, F. Min. °	Weather.	Rain. Ins.	STATIONS. 16th JULY	Temperature, F. at 1 p.m. °	Weather.	Rain. (measured at 7 a.m.) Ins.
Marseilles	81	63	c, b	—	Geneva	77	c	—
Utrecht	75	50	b, bc	—	Berne	81	c	0·32
Copenhagen	68	57	bc, o	—	Lucerne	82	bc	0·71
Prague	79	61	b, c	—	Lausanne	?	?	0·16
Vienna	70	57	bc, f	—	Lugano	82	b	—
Buda-Pesth	?	?	?	?	Locarno	?	?	—
St. Petersburg	70	57	b, m	—				
Rome	89	70	c, b	—				
Malta	88	79	b	—				
Madeira (Funchal)	75	63	c, c,	—				

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

18th JULY, 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	3.51	11.59	8.6
Greenwich	4.5	12.6	8.7
Wick	3.35	12.18	9.0
Valencia	4.42	12.47	8.51

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DAILY WEATHER REPORT

for 8 a.m. on SATURDAY 19TH JULY 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp Max.	Temp Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA	Haparanda ...	29.82	58	Z	0	b	29.83	+.15	58	52	+1	N	4	b	*	–	66	54	*	–
	Hernösand ...	29.76	58	Z	0	bc	29.78	+.03	59	54	–4	NE	4	o	*	–	70	55	*	–
	Stockholm ...	29.71	59	S	2	bc	29.71	–.05	62	58	–2	WNW	2	c	*	–	70	52	*	–
	Wisby	29.73	59	W	2	b	29.73	.00	58	52	–5	W	2	b	*	–	68	52	*	–
	Karlstad	29.70	60	SW	2	bc	29.69	–.05	56	53	–2	WNW	2	o	*	–	*	*	*	–
	Færder (X'iania Fjord)	29.68	60	SW	2	b	29.65	–.07	55	52	–5	ESE	3	o	2	–	63	55	*	–
	Bodö	29.88	53	Z	0	c	29.89	+.03	54	50	+1	N	2	b	1	–	54	48	*	–
	Christiansund ...	29.86	52	NE	4	o	29.86	–.06	51	49	+1	NE	3	o	3	–	54	48	*	0.12
	Skudesnaes ..	29.82	52	NNW	6	o	29.71	–.15	52	51	–2	NNW	6	o	2	o	55	48	*	*
BRITISH ISLANDS	Sumburgh Head	29.98	50	NW	3	o	29.94	–.01	49	47	o	NNW	3	o	4	c,o	54	45	*	–
	Stornoway ...	30.13	54	NW	4	o	29.98	–.15	51	50	+2	WSW	1	d	1	o	58	42	3.8	–
	Malin Head ...	30.19	55	NW	5	bcp	29.98	–.17	54	54	o	SW	4	r	3	bc,bcp	57	52	*	0.38
	Blacksod Pt. ...	30.27	57	NW	3	bc	30.07	–.16	57	56	+1	WNW	3	opm	3	b,bo	60	52	*	0.15
	Valencia... ...	30.29	60	NNW	4	c	30.20	–.05	57	55	–1	WSW	3	og	4	c	63	52	0.5	–
	Roche's Point ...	30.22	62	NW	3	b	30.19	–.04	56	53	+1	W	1	o	1	o,b	66	50	*	–
	Parsonstown ...	30.21	62	NNW	3	bc	30.11	–.12	51	50	–4	SSW	2	or	*	bc	64	46	10.1	0.03
	Donaghadee ...	30.16	55	N	3	bcq	30.08	–.05	52	50	–1	WSW	2	or	2	–	59	49	*	–
	Liverpool Obsy.	30.11	58	NW	4	b	30.07	–.02	55	50	+2	NW	3	bc	4	b	59	51	*	–
	Holyhead ...	30.17	56	NW	3	b	30.11	–.03	53	52	–2	WNW	2	op	1	b	58	50	*	0.01
	Pembroke (St. Ann's)	30.17	56	NW	5	c	30.15	.00	55	53	0	NW	2	c	3	–	60	52	12.6	–
	Scilly (St. Mary's)...	30.17	59	N	4	c	30.20	+.06	60	56	0	NW	3	bc	1	cp,c	62	55	11.5	0.01
	Jersey (St. Aubins)...	30.11	64	WNW	3	b	30.16	+.05	60	52	–2	NNE	2	b	2	bcm,b	69	55	14.3	–
	Portland Bill ...	30.09	63	WNW	4	bc	30.15	+.05	58	56	–3	NNW	3	bc	2	c,bc	65	50	*	–
	Dungeness ...	?30.04	64	ESE	1	bc	30.09	+.01	56	52	–3	NNW	3	c	2	c,bo	64	46	*	–
	Wick	30.07	49	N	3	bc	29.98	–.05	47	46	–2	NE	1	r	1	–	54	42	*	0.18
	Nairn	30.09	54	W	1	c	29.98	–.09	52	49	+2	W	1	bc	1	–	60	47	*	–
	Aberdeen ...	30.08	52	NW	3	bc	29.99	+.01	54	48	+4	WNW	2	og	1	c,bc	55	42	3.7	–
	Leith	30.06	60	NW	2	o	30.00	–.04	56	51	–3	NW	2	o	*	–	61	48	*	–
	North Shields ...	30.09	51	N	2	r	30.02	–.01	55	51	+3	WSW	2	c	2	c,r	59	48	*	0.05
	Spurn Head ...	30.06	55	N	2	c	30.07	+.08	52	49	–1	NW	3	c	2	c,p	57	50	*	0.08
	Yarmouth ...	30.04	58	NNW	3	bc	30.04	+.03	55	52	–3	NNW	2	c	3	cp,bc	61	52	*	0.31
	Loughborough ...	30.07	60	WNW	3	c	30.09	+.01	55	51	0	WNW	2	bcw	*	o,bc,c,o	65	51	*	–
	Oxford	30.12	57	NW	2	b	30.11	+.01	56	49	0	NW	2	b	*	b	65	47	*	–
	London (Brixton)	30.05	64	NW	3	bc	30.09	+.01	56	52	–3	NW	2	o	*	c,bc,bw	69	45	11.6	–
GERMANY, &c.	The Scaw (Skagen)	29.73	55	WSW	3	m	?	?	57	55	–1	SW	2	c	0	–	63	54	*	–
	Fanö	29.85	55	WNW	4	r	29.82	–.12	54	50	–5	WNW	4	c	*	–	64	52	*	–
	Cuxhaven ...	29.92	62	W	7	b	29.86	–.09	57	53	–3	NW	4	o	*	–	64	55	*	0.12
	The Helder ...	29.99	58	NNW	3	c	29.98	.00	58	52	–3	NNW	3	bc	3	–	63	55	*	–
	Brussels... ...	*	*	*	*	*	30.07	+.05	54	52	–6	W	2	o	*	–	70	45	*	–
	Berlin	29.90	68	W	3	o	29.86	–.13	60	57	0	W	2	o	*	–	75	57	*	0.16
	Frankfürt ...	29.96	60	W	2	o	29.99	–.03	59	53	–5	N	2	b	*	–	77	55	*	0.20
	Munich	30.00	67	E	1	b	29.99	–.13	57	57	–7	SW	3	r	*	–	75	57	*	0.16
FRANCE.	C. Gris Nez ...	30.08	63	NE	1	c	30.10	+.02	57	56	–2	NE	3	c	2	–	65	52	*	–
	Brest	30.15	63	N	2	b	30.21	+.06	55	52	–2	N	2	b	1	–	68	50	*	–
	Lorient	30.12	68	NNW	3	bc	30.13	+.01	54	54	–5	N	4	b	2	–	79	52	*	–
	Rochefort ...	30.00	73	N	4	c	30.05	.00	61	57	–3	NE	4	bc	*	c	77	55	*	–
	Biarritz	30.08	68	N	3	o	30.07	–.05	63	63	–2	S	2	r	2	–	70	63	*	0.47
	Paris	30.02	67	NNE	4	c	30.10	+.06	57	54	–3	NE	2	b	*	–	74	50	*	–
	Belfort	29.90	69	NW	3	m	29.95	–.06	60	59	–2	WSW	4	m	*	–	80	59	*	0.08
	Lyons	29.93	79	N	1	o	30.02	–.02	64	59	–5	N	1	o	*	–	85	64	*	–
	Nice	29.95	70	E	3	b	29.90	–.03	69	65	–4	NE	2	c	2	–	81	64	*	–
	Perpignan ...	29.96	83	SE	1	c	29.95	–.06	73	69	–4	Z	0	o	*	–	92	69	*	?
SPAN. PEN.	Corunna ...																		*	
	Lisbon																		*	
	Azores (P. Delgada)																		*	

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR SATURDAY, 19th JULY, 1902

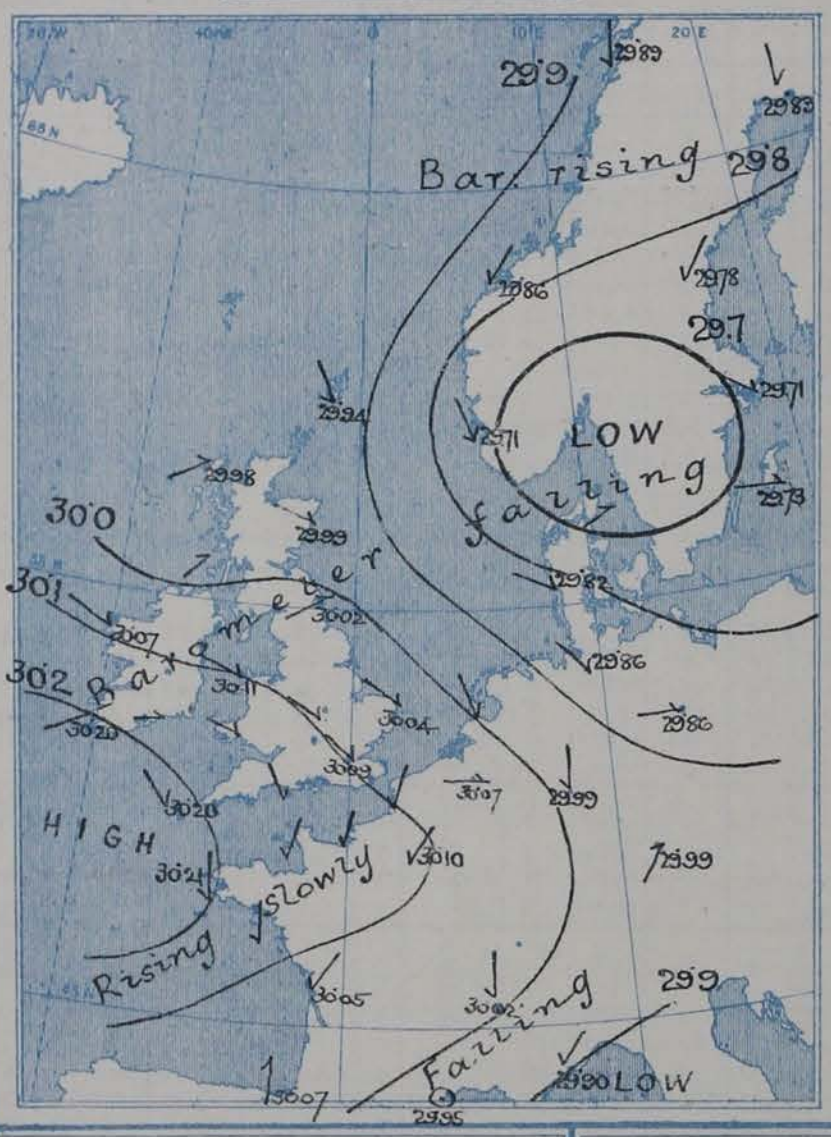
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

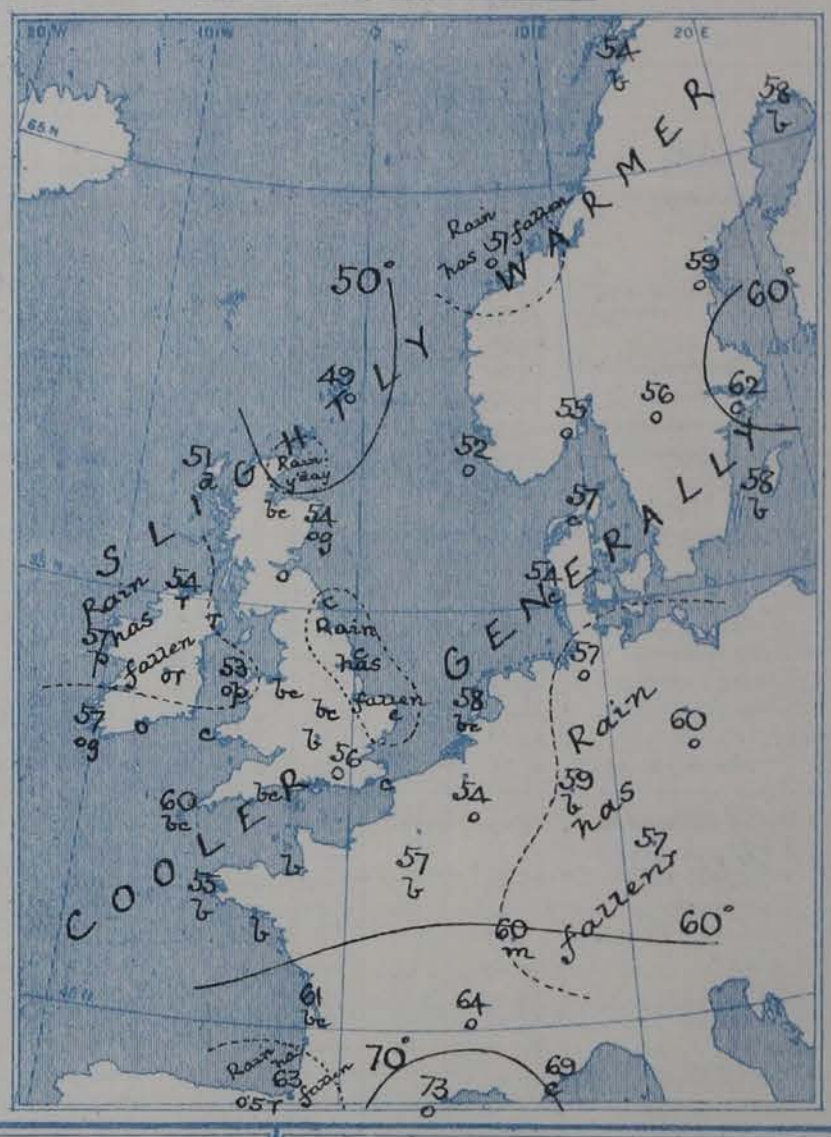


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

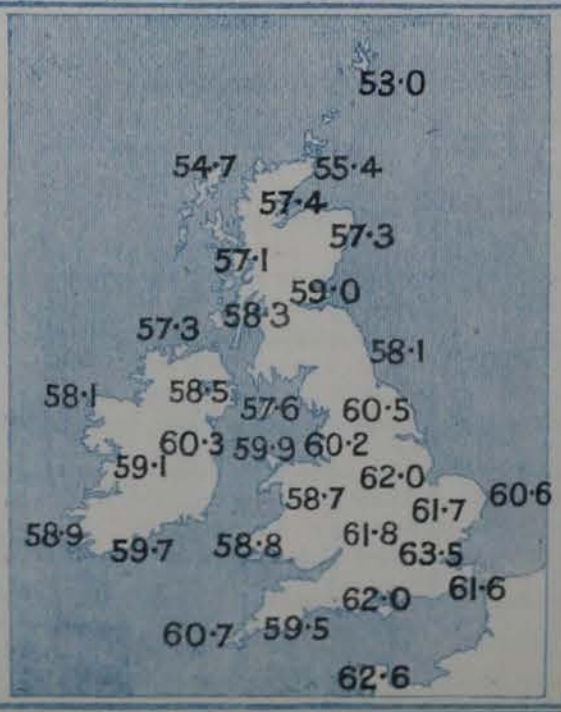


III. BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES

Combined for the month of JULY. *(1871–95.)*



V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Monthly period

JULY. *(1871–1900)*

GENERAL SITUATION AT 8 A.M.

PRESSURE

The anticyclone noticed yesterday over our western districts has again receded southwards, the highest readings, 30·2 in. and upwards, being now found in an area lying off our extreme south-west coasts. A well marked cyclonic system has in the meantime been developed over the south of Scandinavia, and secondary depressions are now approaching our own north and north-west coasts - apparently from the north-westward. The barometer is falling in all but the extreme southern parts of our islands, and also in Denmark, Germany and the south of Scandinavia, but is rising elsewhere.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is light from the N.W^d. over England and the Netherlands and from the N^d or N.E^d in France, with fair weather in most districts, but with cloudy weather in the south of France, and rain at Biarritz. In Ireland and Scotland the effect of the advancing disturbance is seen in a general backing of the wind to the W^d or S.W^d, with dull weather, and with rain at most stations in Ireland and the west and north of Scotland. Over northern Europe a distinct cyclonic circulation of air exists round the Scandinavian low pressure system, the wind being moderate from the N^d or N.E^d over the northern parts of Scandinavia, but rather variable in the south of that peninsula and chiefly W^ly. in Denmark and Germany; the weather is cloudy over those countries generally, with rain at Munich. Temperature has risen at some of our own northern and central stations, but has fallen elsewhere, the readings being below the average over Western Europe generally. In our islands the thermometer is below 60° at all stations except Scilly and Jersey, and below 55° in most of the northern districts, the lowest readings reported being 47° at Wick and 49° at Lunburgh Head; readings below 60° are reported also over Germany, the Netherlands and central France. The sea is slight or smooth generally.

The highest maximum temperature recorded in our islands yesterday was 69° in London and at Jersey; at many of our northern stations the thermometer did not reach 60°. The amount of bright sunshine was large at many of the English and Welsh stations (as much as 14·3 hr. at Jersey) but small elsewhere. Showers fell in several parts of Western Europe; the newspapers report the occurrence of a thunderstorm at Cowes.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The secondary disturbances which are advancing (apparently) towards our north and north-west coasts are likely to move south-eastwards, and to cause an extension of unsettled showery weather to all parts of the Kingdom. Temperature will for the present remain low generally.

FORECASTS*

For the 24 hours ending at NOON on 20th July, 1902

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	Varying W^ly (S.W^ly to N.W^ly) breezes, light; dull, cool, some rain.
2 ENGLAND N.E.	S.W^ly winds, light; cool, fair at first, some rain later
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	Light N.W^ly breezes and fair cool weather, followed by moderate S.W^ly breezes and some rain.
6 SCOTLAND WEST 7 ENGLAND N.W.	W^ly and S.W^ly winds, freshening; dull, unsettled, some rain.
8 ENGLAND S.W.	W^ly winds, freshening; cloudy, showery.
9 IRELAND NORTH 10 IRELAND SOUTH	S.W^ly to N.W^ly winds, freshening; dull, unsettled, some rain.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea.	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	o	*	b	66	49	11·3	—
Newton Reigny (Penrith)	30·08	55	z o	o	30·03	-·02	53	50	+3	z o	c	*	o,c,bc	58	46	2·2	—
Bath	30·09	63	w 3	b	30·13	-·03	55	49	-5	w 1	b	*	—	67	45	11·7	—

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs	Rainfall. Ins.
Harrogate, up to 6 p.m.	62	47	o	0·1	0·02	Worthing	*	*	*	7·6	*
Birmingham, 9 p.m.	60	49	c	7·8	-	Llandudno up to 6 p.m. ...	*	*	*	10·0	-
Lowestoft, up to 6 p.m. ...	62	48	c	7·8	-	Rhyl up to 6 p.m.	*	*	*	10·3	*
Hastings	*		*	6·5	*	Southport, 9 p.m.	61	52	c	10·4	—
Eastbourne up to 6 p.m. ...	*	*	*	6·2	*	Manchester, 9 p.m. ...	68	50	c,b,o	5·2	—
Brighton	*	*	*	8·4	*	Darwen, 9 p.m.	61	46	ou	4·3	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 18th July	Temperature, F. Max. °	Temperature, F. Min. °	Weather.	Rain. Ins.	STATIONS. 17th July	Temperature, F. at 1 p.m. °	Weather.	Rain. (measured at 7 a.m.) Ins.
Marseilles	88	63	b,b	—	Geneva	73	c	0·12
Utrecht...	72	50	bc,c	—	Berne	70	o	0·16
Copenhagen...	68	54	bc,c	—	Lucerne	66	o	0·63
Prague	81	61	o,o	—	Lausanne	?	?	0·08
Vienna	75	66	f,o	—	Lugano	86	bc	0·24
Buda-Pesth	81	64	c,o	0·16	Locarno	?	?	0·39
St. Petersburg	73	57	f,f	0·04				
Rome	86	71	c,o	0·16				
Malta	90	79	bc	—				
Madeira (Funchal)	73	59	c,b	—				

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

19th July, 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	3. 52	11. 59	8. 5
Greenwich	4. 7	12. 6	8. 6
Wick	3. 37	12. 18	8. 59
Valencia	4. 44	12. 47	8. 50

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on SUNDAY 20TH JULY. 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Temp. Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.72	54	NE	2	†	29.58	-.25	48	46	-10	NE	6	o	*	–	63	48	*	0.28
	Hernösand ...	29.72	58	Z	0	o	29.64	-.14	54	52	-5	NE	4	†	*	–	63	50	*	–
	Stockholm ...	29.65	58	Z	0	b	29.65	-.06	54	54	-8	WNW	4	o	*	–	68	52	*	0.59
	Wisby	29.70	56	W	2	b	29.73	.00	56	54	-2	SW	2	b	*	–	70	61	*	–
	Karlstad... ...	29.66	59	SE	2	c	29.68	-.01	58	54	+2	NNE	2	o	*	–	*	*	*	–
	Færder (X'iania Fjord)	29.65	59	N	1	b	29.69	+.04	57	54	+2	NE	4	o	2	–	61	55	*	–
	Bodö	29.84	52	NNE	4	b	29.83	-.06	53	50	-1	NNE	4	bc	2	–	57	48	*	–
	Christiansund ...	29.87	53	N	5	c	29.89	+.03	51	50	0	N	1	†	2	–	54	48	*	0.12
	Skudesnaes ...	29.72	56	NNW	4	c	29.72	+.01	58	56	+6	Z	0	b	1	b,c	59	50	*	*
BRITISH ISLANDS.	Sumburgh Head	29.97	49	N	4	o	29.98	+.04	48	47	=1	N	4	†	5	o	53	46	*	0.11
	Stornoway ...	30.09	53	NE	3	o	30.22	+.24	47	45	-4	NNE	5	o	5	o	58	44	3.4	0.08
	Malin Head ...	29.96	55	N	4	c	30.14	+.16	52	50	-2	NNE	6	bcq	5	†,bc,c	58	48	*	0.32
	Blacksod Pt. ...	30.00	57	N	7	omp	30.16	+.09	55	50	-2	NE	7	c	6	omp	60	50	*	0.08
	Valencia... ...	29.97	57	NW	6	c	30.10	-.10	56	52	-1	NNW	3	o	4	ogmp,c	59	53	0.7	0.07
	Roche's Point ...	29.91	59	NW	4	cpq	30.01	-.18	58	54	+2	N	4	c	3	o,cpq	60	52	*	0.03
	Parsonstown ...	29.87	58	NNW	2	c	30.08	-.03	53	51	+2	N	4	o	*	†,o,c	60	51	0.5	1.30
	Donaghadee ...	29.93	54	SE	2	†	30.09	+.01	54	49	+2	NE	3	c	3	–	55	49	*	0.32
	Liverpool Obsy.	29.95	53	Z	0	p	30.00	-.07	52	49	-3	NE	2	bc	2	bc,p	57	48	*	0.06
	Holyhead ...	29.91	52	SE	2	o	30.02	-.09	53	51	0	NE	4	bc	3	cmr,o	54	49	*	0.31
	Pembroke (St. Ann's)	29.88	56	W	4	†	29.89	-.26	55	52	0	NE	6	cqm	5	–	58	50	1.2	0.62
	Scilly (St. Mary's)...	29.98	56	WNW	5	†	29.77	-.43	58	56	-2	N	6	c	4	c,†	63	55	5.0	0.35
	Jersey (St. Aubins)...	30.04	61	WSW	4	og	29.72	-.44	57	56	-3	SSW	4	orm	3	og,orm	65	52	9.0	0.52
	Portland Bill ...	29.98	56	WNW	4	†	29.80	-.35	51	51	-7	NE	4	†	3	c,†	62	50	*	0.40
	Dungeness ...	29.95	61	W	5	bc	29.85	-.24	55	52	-1	SE	3	c	1	o,bc	63	52	*	0.02
	Wick	30.04	49	N	3	o	30.06	+.08	48	47	+1	N	4	o	2	–	54	45	*	0.05
	Nairn	30.03	52	NE	1	†	30.12	+.14	48	47	-4	N	3	†	2	–	55	45	*	0.07
	Aberdeen ...	30.00	52	NNW	3	cp	30.01	+.02	50	47	-4	NNW	5	ogqp	4	og,cp	55	46	0.3	0.01
	Leith	29.97	56	NE	2	o	30.05	+.05	53	48	-3	NNW	1	c	*	–	63	47	*	0.10
	North Shields ...	29.95	55	E	1	o	29.99	-.03	49	48	-6	N	3	op	3	c,o	59	47	*	0.05
GERMANY, &c.	Spurn Head ...	29.94	51	SE	3	c	29.93	-.14	54	51	+2	N	5	c	3	–	59	50	*	–
	Yarmouth ...	29.96	55	SSE	2	c	?29.93	-.11	56	51	+1	NNE	3	c	3	p,c	58	52	*	0.14
	Loughborough ...	29.95	59	W	2	c	29.95	-.14	53	50	-2	NE	3	c	*	c,cp,c	65	49	*	0.07
	Oxford	29.95	53	W	2	o	29.89	-.22	52	50	-4	NE	3	o	*	bc,o,†	64	50	*	0.04
	London (Brixton)	29.93	60	WNW	1	o	29.87	-.22	53	51	-3	NE	4	o	*	bc,o,†	68	52	4.6	0.04
	The Scaw (Skagen)	29.67	57	W	1	o	29.66	?	57	55	0	NNW	1	c	0	–	63	54	*	–
	Fanö	29.82	53	W	4	c	29.76	-.06	56	53	+2	NW	6	†	*	–	61	52	*	0.08
	Cuxhaven ...	29.89	59	W	4	bc	29.84	-.02	57	52	0	SW	4	c	*	–	61	52	*	0.12
	The Helder ...	29.95	56	NW	1	c	29.87	-.11	58	51	0	NW	1	bc	0	–	59	55	*	–
	Brussels... ...	*	*	*	*	*									*				*	
	Berlin	29.88	61	SW	2	b	29.96	+.10	60	53	0	W	1	bc	*	–	68	52	*	–
	Frankfürt ...	29.96	58	N	2	c	29.86	-.13	59	54	0	ENE	1	b	*	–	68	54	*	–
	Munich	30.00	55	Z	0	b	29.88	-.11	54	53	-3	SE	2	c	*	–	64	50	*	0.16
FRANCE.	C. Gris Nez ...	30.01	60	E	1	b	29.88	-.22	56	54	-1	E	2	o	1	–	68	52	*	–
	Brest	30.12	61	NW	1	o	29.76	-.65	58	57	+3	NNW	2	c	3	–	66	55	*	0.04
	Lorient	30.04	66	WNW	4	c	29.79	-.34	60	59	+6	W	5	o	4	–	79	54	*	0.08
	Rochefort ...	29.97	68	NW	5	b	29.88	-.17	64	59	+3	SW	3	bc	*	b	75	59	*	–
	Biarritz	30.07	66	W	3	bc	29.98	-.09	63	60	0	W	2	o	2	–	68	60	*	0.12
	Paris	29.97	65	N	3	o	29.86	-.24	56	53	-1	N	2	o	*	–	70	53	*	–
	Belfort	29.87	66	W	2	o	29.81	-.14	55	51	-5	NE	2	m	*	–	73	49	*	–
	Lyons	29.93	67	N	1	o	29.84	-.18	61	55	-3	E	1	o	*	–	73	55	*	–
	Nice	29.79	71	SW	2	b	29.68	-.22	72	63	+3	Z	0	b	1	–	84	64	*	–
	Perpignan ...	29.90	68	SW	1	o	29.90	-.05	65	57	-8	SW	2	o	*	–	84	63	*	1.18
SPAN. PEN.	Corunna ...	30.06	68	NNE	3	b	30.08	+.07	61	59	-7	NNE	1	bo	2	–	68	52	*	–
	Lisbon	29.98	65	SSW	4	c	30.00	+.05	66	63	-6	?NW	4	o	*	–	81	63	*	–
	Azores (P. Delgada)	30.10	68	ESE	4	c	30.06	.00	70	67	+4	SSE	4	c	5	–	73	66	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR SUNDAY, 20th July, 1902

I. BAROMETER, WIND AND SEA. *This Morning.*

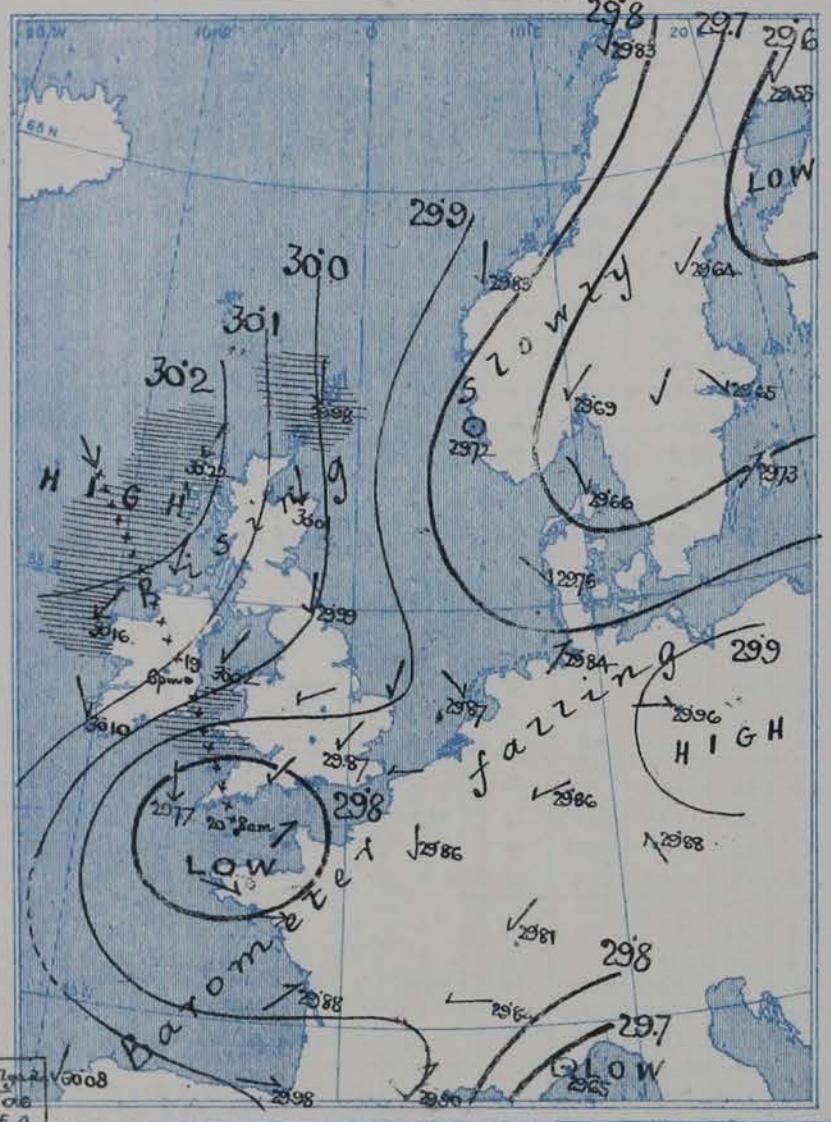
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

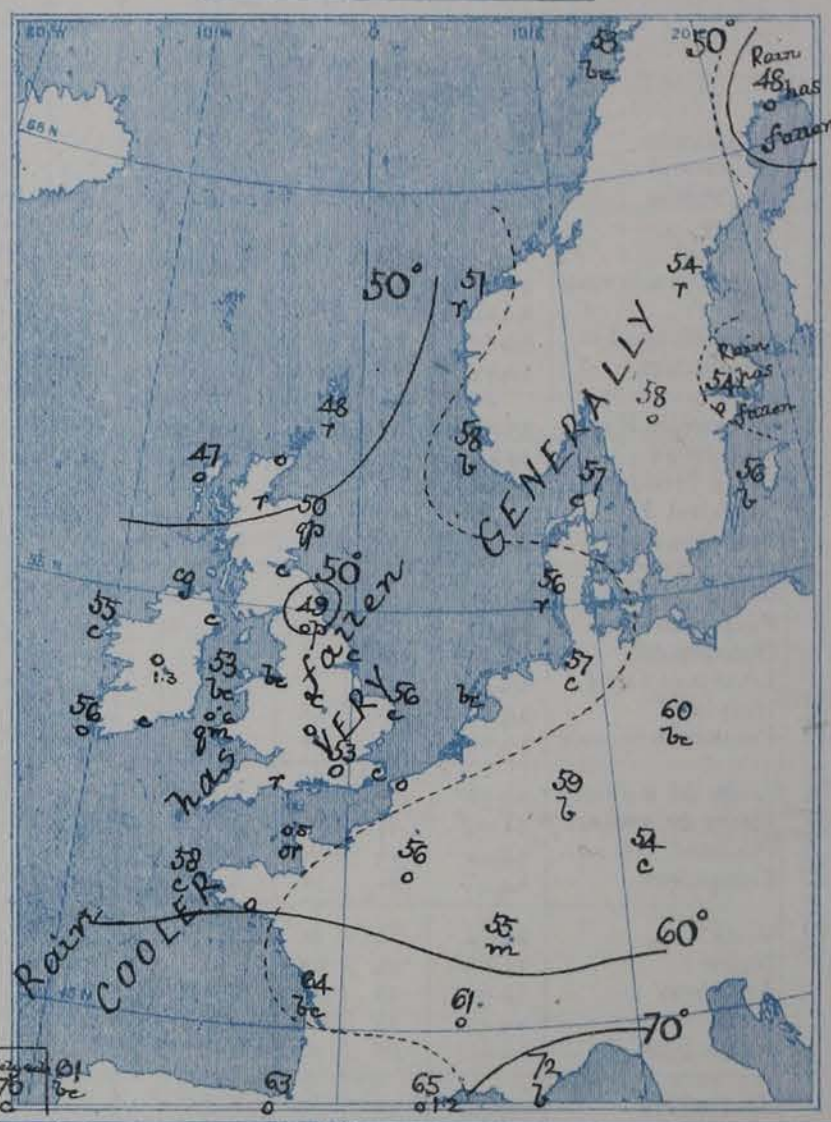


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

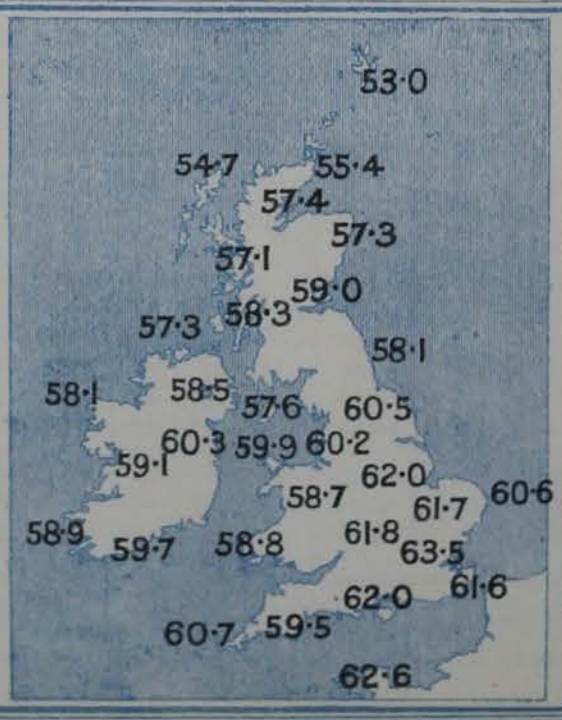


III. BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES

Combined for the month of JULY. (1871–95.)



V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Monthly period

JULY. (1871–1900)

GENERAL SITUATION AT 8 A.M.

PRESSURE

Since yesterday morning a cyclonic disturbance of increasing energy has travelled south-southeastwards over Ireland and the southwest of England, so that although the barometer is still lowest, 29·6 ins: to 29·7 ins: over Sweden, it is almost as low over the western part of the English Channel. A small minimum of about 29·7 ins: is also shown over the Gulf of Genoa. Pressure is highest, 30·2 ins: and upwards off our extreme northwest coasts, and is now rising at all our more northern stations.

WIND

TEMPERATURE

WEATHER AND SEA

The wind has consequently shifted to the N.W. or N.E. over the United Kingdom and to the W. in the west of France. It is fresh or strong at several of our western and northern stations, but moderate elsewhere. Over Scandinavia the winds are mainly N. or N.E., but draw into S.W. in Gothland. Temperature has again fallen and is many degrees below the normal over our Islands and their neighbourhood. In most parts of Scotland it is below 50° and very little above it over the Kingdom as a whole, but at Scilly and Roche's Point the thermometer marks 58°. The Continental values range from 72° at Nice and 66° at Lisbon to 60° at Berlin, 56° at Paris and Werby and to 48° at Haparanda. The weather is cloudy or dull in almost all parts of our area, with rain in several northern localities and also at some stations in the English Channel. The sea is rather rough off our northwestern and northern coasts and at Pembroke, moderate to smooth elsewhere.

Rain has fallen throughout our Islands and also in various parts of the Continent, the heaviest amounts being 0·5 inch at Jersey, 0·6 inch at Pembroke and Stockholm, 1·2 inches at Perpignan, and 1·3 inches at Parsonstown. The highest temperature recorded in the United Kingdom yesterday was 68° in London; at many of our western and northern stations the values were below 60°; at Nice and Perpignan readings of 84° were registered.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS*

For the 24 hours ending at NOON on 21st JULY, 1902

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED	6 SCOTLAND WEST	NONE ISSUED
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours				
	Bar Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea.	Weather	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	c	*	c,b,t,l,h	63	51	3.6	0:05
Newton Reigny (Penrith)												*					
Bath	29.97	53	N 1	f	29.87	-.26	52	49	-3	NW 4	o	*	—	62	40	3.8	0.13

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs	Rainfall. Ins.
Harrogate, up to 6 p.m.	60	48	c,o	0.4	0.09	Worthing	*	*	*	5.6	*
Birmingham, 9 p.m.	61	48	o	3.9	—	Llandudno	*	*	*	0.7	*
Lowestoft, up to 6 p.m. ...						Rhyl up to 6 p.m.	*	*	*		*
Hastings	*	*	*		*	Southport, 9 p.m.	59	53	ou	1.5	—
Eastbourne up to 6 p.m. ...	*	*	*		*	Manchester, 9 p.m. ...					
Brighton	*	*	*		*	Darwen, 9 p.m.					

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 19th July	Temperature, F. Max. °	Temperature, F. Min. °	Weather.	Rain. Ins.	STATIONS. 18th July	Temperature, F. at 1 p.m. °	Weather.	Rain (measured at 7 a.m.) Ins.
Marseilles	86	64	b,f	0.04	Geneva	79	b	0.04
Utrecht	72	54	c,o	—	Berne	77	b	0.04
Copenhagen	68	54	c,o	—	Lucerne	75	b	0.32
Prague	77	61	o,o	—	Lausanne	?	?	0.04
Vienna	77	59	b,o	—	Lugano	88	b	—
Buda-Pesth	81	63	c,o	—	Locarno	?	?	—
St. Petersburg	72	57	c,o	0.04				
Rome	86	66	b,b	—				
Malta	88	79	b	—				
Madeira (Funchal)								

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

30th July 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	3.54	11.59	8.4
Greenwich	4.8	12.6	8.5
Wick	3.39	12.18	8.57
Valencia	4.46	12.47	8.49

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on MONDAY 21ST JULY 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Temp. Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.57	48	NNE	4	†	29.60	+.02	49	46	+1	SW	4	†	*	–	54	46	*	0.43
	Hernösand ...	29.65	50	Z	0	†	29.65	+.01	51	50	−3	Z	0	†	*	–	59	50	*	0.43
	Stockholm ...	29.69	57	SW	2	c	29.73	+.08	60	59	+6	WSW	2	0	*	–	64	50	*	–
	Wisby	29.75	57	SSW	4	b	29.80	+.07	59	55	+3	SW	4	bc	*	–	70	50	*	–
	Karlstad... ...	29.69	57	W	2	†	29.74	+.06	55	51	−3	NNE	2	b	*	–	*	*	*	0.35
	Færder (X'iania Fjord)	29.70	61	WSW	2	c	29.76	+.07	55	50	−2	ENE	4	0	2	–	61	54	*	0.08
	Bodö	29.70	50	NE	5	c	29.65	−.18	46	45	−7	NE	1	†	0	–	54	45	*	–
	Christiansund ...	29.94	50	N	3	†	29.88	−.01	49	46	−2	N	3	c	3	–	52	46	*	0.12
	Skudesnaes ...	29.75	59	NNW	4	b	29.73	+.01	52	50	−6	NNW	4	c	2	b	66	48	*	*
BRITISH ISLANDS.	Sumburgh Head	30.00	50	N	4	0	29.96	−.02	47	45	−1	N	3	0	5	0	52	45	*	0.04
	Stornoway ...	30.20	50	NNE	3	0	30.09	−.13	49	47	+2	Z	0	0	0	0	56	45	0.6	–
	Malin Head ...	30.16	52	N	7	c	30.09	−.05	50	48	−2	N	5	0	4	bc,c	57	48	*	–
	Blacksod Pt. ...	30.23	56	N	6	bc	30.17	+.01	55	52	0	NW	3	a	3	bc	57	49	*	–
	Valencia... ...	30.17	59	N	5	bcq	30.17	+.07	56	52	0	NNW	2	bc	4	bcq	61	50	9.6	–
	Roche's Point ...	30.10	60	N	3	c	30.14	+.13	54	50	−4	N	4	bc	2	c	64	48	*	–
	Parsonstown ...	30.13	58	NNW	5	cq	30.14	+.06	51	47	−2	N	3	0	*	cq	61	47	4.3	–
	Donaghadee ...	30.08	53	NE	4	bc	30.07	−.02	52	49	−2	N	4	bc	3	–	57	47	*	–
	Liverpool Obsy.	30.01	55	NNE	3	0	30.03	+.03	50	48	−2	NNE	1	0	1	–	58	49	*	0.03
	Holyhead ...	30.06	54	N	5	c	30.05	+.03	54	50	+1	NNE	3	c	2	bc,c	54	49	*	–
	Pembroke (St. Ann's)	30.03	54	NE	6	bc	30.05	+.16	53	52	−2	N	5	cg	4	–	60	50	11.7	–
	Scilly (St. Mary's)...	29.98	57	N	7	c	30.06	+.29	56	51	−2	N	4	c	4	c	60	50	8.8	0.01
	Jersey (St. Aubins)...	29.83	57	NE	6	ogp	30.01	+.29	55	51	−2	NNW	3	ogm	2	ogp,g	58	53	0.0	0.05
	Portland Bill ...	29.91	55	NNE	4	c	30.00	+.20	52	52	+1	NNW	4	c	3	o,c	58	50	*	0.10
	Dungeness ...	29.85	60	E	5	b	29.89	+.04	52	51	−3	NNW	5	0	3	bc,b	63	47	*	0.08
	Wick	30.07	49	N	3	0	30.01	−.05	47	44	−1	NNE	2	0	2	–	50	44	*	0.02
	Nairn	30.12	50	N	3	c	30.06	−.06	49	46	+1	N	1	c	1	–	51	45	*	0.01
	Aberdeen ...	30.02	48	NW	5	ogqp	30.02	+.01	48	44	−2	NW	4	ogq	3	ogqp	51	46	0.0	0.01
	Leith	30.02	54	N	1	0	30.02	−.03	55	49	+2	NE	1	b	*	–	56	48	*	–
	North Shields ...	29.97	50	N	4	op	29.98	−.01	50	48	+1	N	4	0	4	op	54	47	*	0.12
	Spurn Head ...	29.81	53	NNW	6	c	29.93	.00	54	51	0	NNW	6	oq	4	c,†	57	50	*	0.27
	Yarmouth ...	29.89	59	N	4	cd	29.87	−.06	56	54	0	NNW	3	cp	3	bc,cd	61	52	*	0.08
	Loughborough ...	29.97	54	N	4	ogpm	29.97	+.02	50	48	−3	NNW	4	ogm	*	c,opgm	60	47	*	0.06
	Oxford	29.96	53	N	2	c	29.98	+.09	50	48	−2	NNW	2	0	*	p,c	60	49	*	0.01
	London (Brixton)	29.90	55	NE	2	0	29.94	+.07	51	49	−2	NW	3	og	*	od,bc,c	58	49	0.2	–
GERMANY, &c.	The Scaw (Skagen)	29.74	58	NW	1	b	29.75	−.09	57	55	0	WNW	2	c	0	–	64	52	*	–
	Fanö	29.76	54	S	1	b	29.79	+.03	59	57	+3	SE	2	†	*	–	61	48	*	–
	Cuxhaven ...	29.84	58	NW	1	b	29.79	−.05	57	54	0	SW	1	c	*	–	61	52	*	–
	The Helder ...	29.83	58	NW	2	bc	29.78	−.09	59	56	+1	NW	1	†	1	–	63	54	*	0.04
	Brussels... ...	*	*	*	*	*	29.83		57	53		NW	1	c	*	–	59	44	*	0.63
	Berlin	29.83	58	W	1	†	29.76	−.20	57	55	−3	Z	0	0	*	–	68	54	*	0.43
	Frankfürt ...	29.82	56	N	2	0	29.77	−.09	56	53	−3	NE	2	c	*	–	66	54	*	0.04
	Munich	29.87	53	SW	2	b	29.82	−.06	55	53	+1	W	2	c	*	–	68	46	*	0.28
FRANCE.	C. Gris Nez ...	29.90	58	NE	5	b	29.89	+.01	55	53	−1	NNW	5	0	5	–	66	52	*	0.04
	Brest	29.93	58	NE	5	c	30.06	+.30	56	53	−2	N	2	0	0	–	66	50	*	–
	Lorient	29.71	60	N	5	b	30.00	+.21	55	55	−5	N	5	b	2	–	68	52	*	0.08
	Rochefort ...	29.73	63	WSW	5	0	29.86	−.06	58	55	−8	N	4	0	*	*	68	52	*	0.16
	Biarritz	29.95	64	WSW	5	0	30.01	+.03	59	59	−4	W	4	†	4	–	66	57	*	0.16
	Paris	29.81	59	ENE	2	0	29.86	.00	62	51	−4	N	3	0	*	–	61	50	*	0.24
	Belfort	29.77	59	WSW	3	0	29.77	−.04	51	51	−4	SW	4	†	*	–	71	50	*	0.24
	Lyons	29.78	66	W	1	0	29.82	−.02	62	51	+1	S	1	c	*	–	75	55	*	–
	Nice	29.63	77	SSW	4	b	29.77	+.09	62	57	+10	Z	0	†	5	–	86	59	*	0.04
	Perpignan ...	29.84	69	NW	2	0	29.89	−.01	64	56	−1	NW	3	0	*	–	76	59	*	0.04
SPAN. PEN.	Corunna ...																		*	
	Lisbon														*				*	
	Azores (P. Delgada)																		*	

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page*

WEATHER CHARTS

FOR Monday, 21st July 1902

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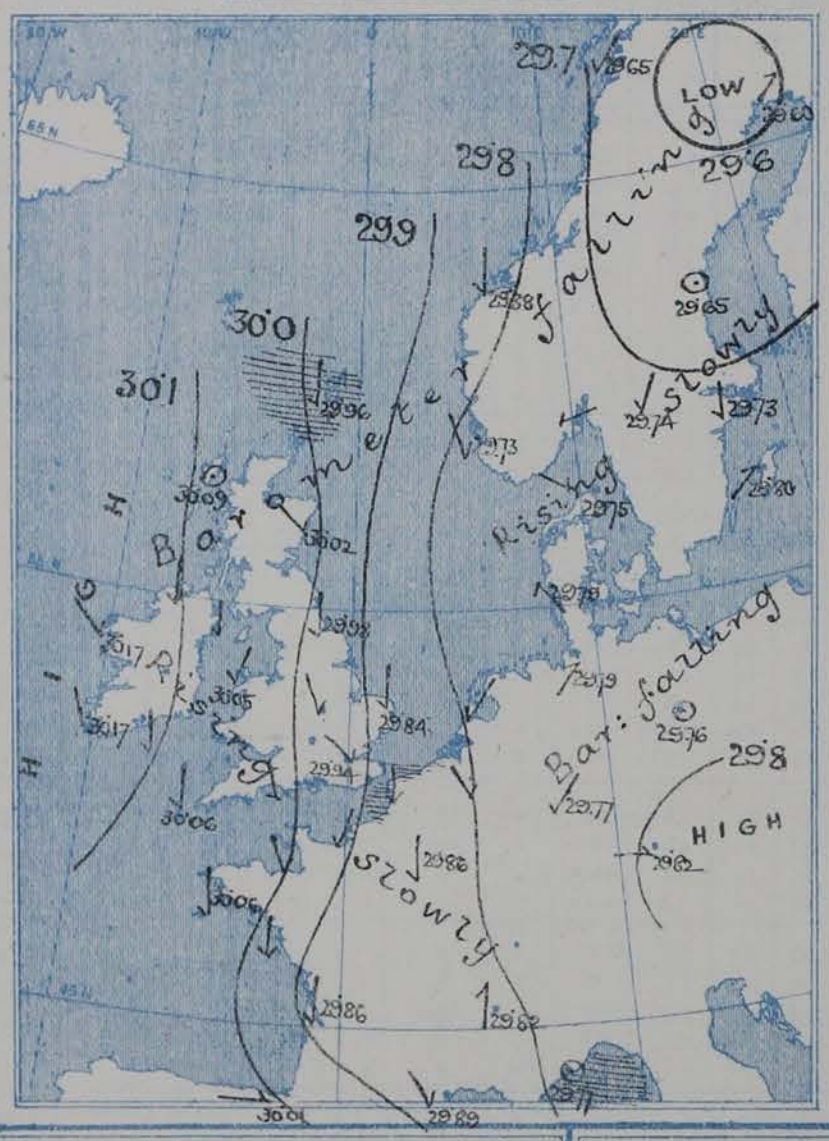
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*



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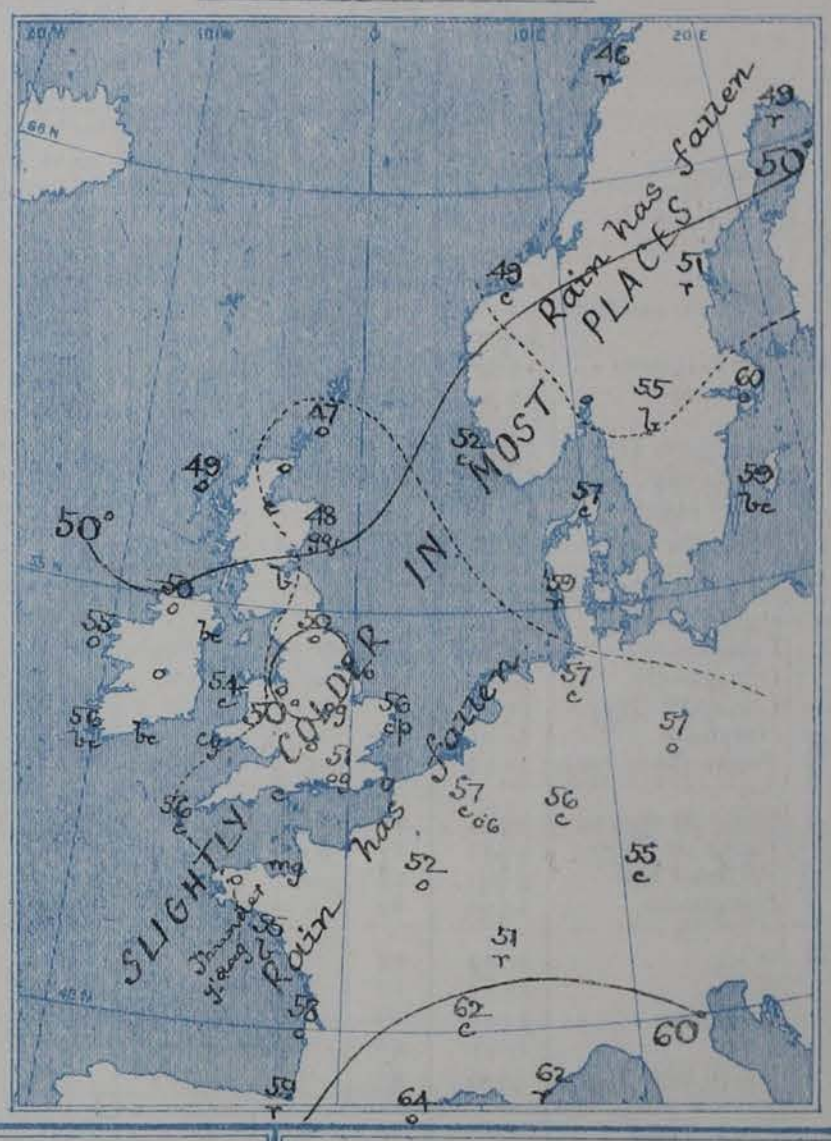
TEMPERATURE.—Isotherms are drawn for each 10°.

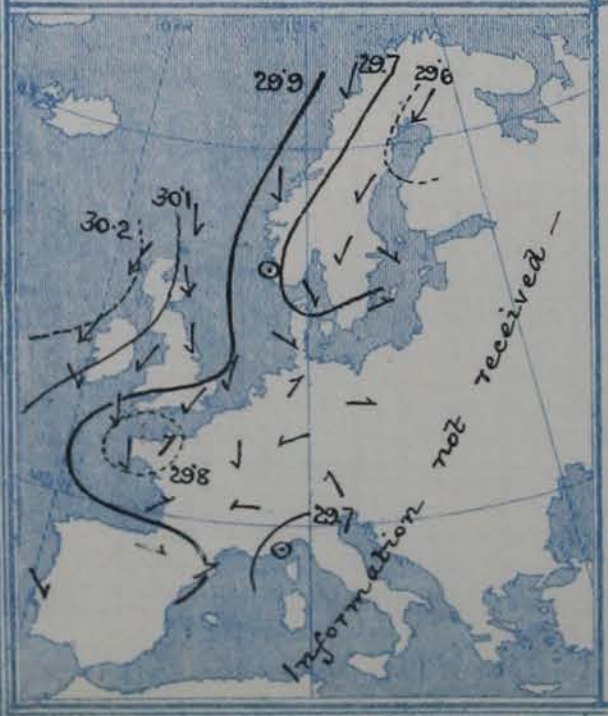
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



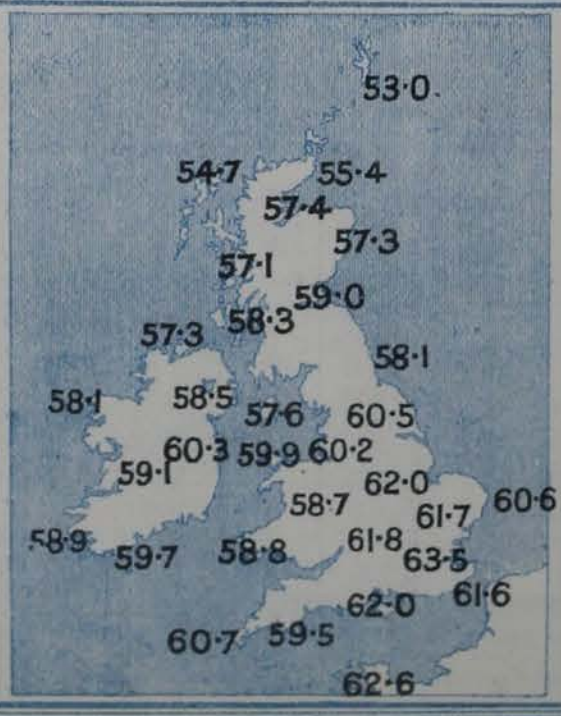
III. BAROMETER AND WIND

Yesterday morning.



IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES

Combined for the month of JULY. *(1871–95.)*



V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Monthly period JULY. *(1871–1900)*

GENERAL SITUATION AT 8 A.M.

PRESSURE

An anticyclone now lies off our western coasts, the highest reading of the barometer, 30·1 ins. and upwards, being reported over Ireland. The lowest pressures, 29·6 ins. and less, are found in a shallow cyclonic area over the north of Scandinavia, but readings are below 29·8 ins. over nearly the whole of Scandinavia, Denmark, Germany and the east and south of France. The barometer is falling in the northern parts of our islands and the west of Norway, as well as in Germany, but is at present rising elsewhere.

WIND TEMPERATURE WEATHER AND SEA

The wind is light to moderate from the N^d. over the whole of our islands and the neighbouring parts of the Continent, but is very variable in Sweden, Denmark and Germany. Temperature has fallen in most places and is very low for the time of year over Western Europe generally. In our islands the morning readings are, as a rule, very little above 50°, and at some of our northern stations they are below that point, the lowest temperatures reported being 47° at Sumburgh Head and Wick and 48° at Newton Reigny (Penrith). Over the inland parts of England the readings (50° to 52°) are about 10° below the average for July, while over central France, where the readings are equally low, the deficiency is still greater. The highest temperature at present reported over the United Kingdom is 56° at Yarmouth, Valencia and Scilly. The weather is cloudy or dull in nearly all parts of Western Europe, with rain over the northern parts of Scandinavia, as well as at Belfort and Nice; on the south coasts of Ireland, however, the weather is fine. The sea is moderate or slight generally, but is rather rough at Sumburgh Head and also at Cape Gris Nez.

The maximum temperatures recorded yesterday were below 60° in many parts of the United Kingdom, and below 55° at several of our northern stations; at Wick the thermometer did not rise above 50°. The amount of bright sunshine was small over England and Scotland (less than an hour in several places), but was larger in Wales and the south of Ireland. A little rain fell in many parts of Great Britain, and larger quantities at some of the Continental stations; thunder occurred at Lorient.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The fall of the barometer is now greater at Stornoway than at any other northern station, and the wind there has fallen to a calm. These changes appear to indicate the approach of a small cyclonic system towards Scotland - probably from the north-westward, and rain is therefore likely to set in again in the north and to spread later to many other districts. Temperature will probably continue low for another day or two at least.

FORECASTS*

For the 24 hours ending at NOON on 22nd July, 1902

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Wind backing to the W^d. or S.W^d. but veering again later; cold, dull, some rain
1 SCOTLAND EAST	
2 ENGLAND N.E.	N^ly. to N.W^ly. winds, moderate; cold, cloudy, dry at first, some showers later.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	N^ly. to N.W^ly. or W^ly. winds, moderate; cold, dull, some showers.
7 ENGLAND N.W.	
8 ENGLAND S.W.	N^ly. to N.W^ly. winds, moderate; fair, cool.
9 IRELAND NORTH	N.W^ly. to W^ly. winds, freshening; cold, cloudy, some rain.
10 IRELAND SOUTH	Same as No. 8.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea.	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	c	*	c	60	48	1·8	–
Newton Reigny (Penrith)	30·03	49	NW 2	0	30·01		48	46		NNW 3	0	*	or	55	46	2·0	0·01
Bath	29·93	58	NW 4	0	30·00	+·13	52	49	0	NE 2	0	*	–	60	50	1·1	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs	Rainfall. Ins.
Harrogate, up to 6 p.m.	55	46	o, c, o	0·9	–	Worthing	*	*	*	0·1	*
Birmingham, 9 p.m.	60	48	o	2·2	0·06	Llandudno up to 6 p.m ...	*	*	*	7·0	*
Lowestoft, up to 6 p.m. ...						Rhyl up to 6 p.m.	*	*	*	7·4	*
Hastings	*	*	*	1·5	*	Southport, 9 p.m.	60	46	or.o	4·2	0·03
Eastbourne up to 6 p.m. ...	*	*	*	2·2	*	Manchester, 9 p.m. ...	64	49	ou	1·5	0·03
Brighton	*	*	*	6·7	*	Darwen, 9 p.m.	56	44	o	2·3	0·09

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 20th July	Temperature, F. Max. °	Temperature, F. Min. °	Weather.	Rain.	STATIONS. 19th July	Temperature, F. at 1 p.m. °	Weather.	Rain (measured at 7 a.m.)
Marseilles	Information	not received.		Ins.		Information	not received	Ins.
Utrecht...					Geneva			
Copenhagen...					Berne			
Prague					Lucerne			
Vienna					Lausanne			
Buda-Pesth					Lugano			
St. Petersburg					Locarno			
Rome								
Malta								
Madeira (Funchal)								

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

21st July, 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	3.56	11.59	8.2
Greenwich	4.9	12.6	8.3
Wick	3.41	12.18	8.55
Valencia	4.47	12.47	8.48

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly , " " £1 10 0 " Single Copies, 6d.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on TUESDAY 22ND JULY. 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Temp. Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.66	48	SW	4	0	29.71	+.11	50	48	+1	SW	4	0	*	–	50	46	*	0.20
	Hernösand ...	29.72	49	Z	0	0	29.82	+.17	54	48	+3	Z	0	e	*	–	59	48	*	–
	Stockholm ...	29.79	58	SW	2	bc	29.81	+.08	59	57	−1	N	2	b	*	–	66	50	*	0.08
	Wisby	29.76	58	W	2	b	29.81	+.01	59	55	0	SW	2	bc	*	–	68	50	*	–
	Karlstad... ...	29.78	58	Z	0	†	29.81	+.07	58	55	+3	SW	2	0	*	–	*	*	*	0.04
	Færder (X'iania Fjord)	29.73	57	S	3	0	29.76	.00	57	53	+2	S	4	0	2	–	59	54	*	–
	Bodö	29.65	45	NE	2	†	29.68	+.03	46	44	0	ENE	5	†	2	–	46	45	*	0.32
	Christiansund ...	29.84	50	N	2	0	29.83	−.05	51	47	+2	NE	5	c	3	–	52	48	*	–
	Skudesnaes ...	30.13	51	NNW	4	c	29.77	+.04	51	48	−1	NNW	4	c	2	b,c	55	48	*	*
BRITISH ISLANDS.	Sumburgh Head	29.89	47	NW	3	0	29.84	−.12	48	48	+1	N	1	0	3	0	49	45	*	0.06
	Stornoway ...	29.98	55	SW	3	0	29.86	−.23	53	52	+4	Z	0	0	0	0	58	48	0.0	–
	Malin Head ...	30.02	55	NW	4	c	29.87	−.22	55	54	+5	NW	4	bcp	3	c	56	50	*	0.07
	Blacksod Pt. ...	30.11	57	WNW	3	0	29.96	−.21	57	55	+2	NW	3	bcp	3	b,0	60	52	*	0.08
	Valencia... ...	30.15	59	WNW	3	c	30.04	−.13	57	54	+1	NW	3	ogq	4	c	61	54	8.3	0.02
	Roche's Point ...	30.10	60	N	2	0	30.00	−.14	57	55	+3	WNW	4	0	3	c,0	62	53	*	0.01
	Parsonstown ...	30.06	63	N	3	c	29.94	−.20	55	53	+4	WSW	3	op	*	c	63	50	2.7	0.03
	Donaghadee ...	30.02	56	WSW	3	bc	29.86	−.21	55	54	+3	NW	2	c	2	–	57	51	*	–
	Liverpool Obsy.	30.02	53	NW	2	c	29.90	−.13	51	50	+1	WSW	2	†	2	c,†	56	50	*	0.14
	Holyhead ...	30.05	54	W	1	c	29.90	−.15	53	52	−1	WSW	3	dm	2	bc,c	57	49	*	0.02
	Pembroke (St. Ann's)	30.07	56	WNW	4	bc	29.96	−.09	55	54	+2	W	4	c	4	–	58	52	9.9	–
	Scilly (St. Mary's)...	30.12	59	NNW	4	c	30.04	−.02	59	56	+3	W	4	c	3	c	62	51	8.2	–
	Jersey (St. Aubins)...	30.08	59	WNW	3	c	30.08	+.07	57	51	+2	W	3	bc	3	0,c,g	61	51	1.2	–
	Portland Bill ...	30.04	58	NNW	3	0	30.03	+.03	54	54	+2	W	4	0	3	c,0	58	52	*	–
	Dungeness ...	29.98	57	NNW	5	0	29.99	+.10	59	55	+7	NW	4	cg	2	0	62	51	*	–
	Wick	29.92	50	NNE	2	0	29.86	−.15	52	50	+5	Z	0	0	1	–	52	45	*	0.05
	Nairn	29.94	54	Z	0	c	29.86	−.20	53	50	+4	Z	0	c	0	–	58	46	*	0.04
	Aberdeen ...	29.94	52	NNW	2	c	29.88	−.14	51	49	+3	NE	1	c	2	c,p	53	46	1.0	0.05
	Leith	29.92	54	ENE	2	c	29.86	−.16	52	50	−3	NE	1	0	*	–	60	48	*	0.13
	North Shields ...	29.97	51	N	2	c	29.88	−.10	51	50	+1	Z	0	om	3	0,c,†	53	48	*	0.02
	Spurn Head ...	29.96	53	NNW	5	c	29.90	−.03	54	51	0	WSW	3	c	3	–	56	50	*	–
	Yarmouth ...	29.93	56	NNW	3	c	29.92	+.02	53	50	−3	WSW	3	cm	3	0,c	57	46	*	0.06
	Loughborough ...	30.01	54	WNW	1	0	29.94	−.03	52	50	+2	WSW	2	omp	*	cmg,mo	59	48	*	–
	Oxford	30.02	54	NW	2	0	29.98	.00	51	48	+1	SW	2	ogp	*	–	58	46	*	–
	London (Brixton)	29.98	55	N	2	og	29.97	+.03	52	49	+1	WNW	2	0	*	odp,og	58	50	0.0	–
GERMANY, &c.	The Scaw (Skagen)	29.77	57	WNW	1	0	29.79	+.04	56	53	−1	SW	1	c	0	–	61	52	*	–
	Fanö	29.81	55	W	2	c	29.85	+.06	57	53	−2	NW	2	c	*	–	63	54	*	?
	Cuxhaven ...	29.82	60	Z	0	0	29.86	+.07	55	53	−2	NW	1	0	*	–	63	54	*	0.83
	The Helder ...	29.84	59	NW	2	c	29.93	+.15	57	51	−2	NW	2	c	1	–	63	55	*	0.20
	Brussels... ...	*	*	*	*	*	30.03	+.20	55	52	−2	WSW	2	c	*	–	64	51	*	0.08
	Berlin	29.79	61	Z	0	b	29.86	+.10	58	56	+1	Z	0	b	*	b	66	54	*	–
	Frankfürt ...	29.88	55	W	1	†	30.00	+.23	56	53	0	WSW	1	c	*	–	64	54	*	0.35
	Munich	29.94	55	W	3	0	30.10	+.28	56	51	+1	W	6	bc	*	–	63	50	*	0.24
FRANCE.	C. Gris Nez ...	30.00	56	N	4	†	30.03	+.14	55	53	0	SW	4	0	4	–	66	52	*	0.24
	Brest	30.13	60	NNW	2	b	30.13	+.07	51	50	−5	NNW	1	c	2	–	63	50	*	2
	Lorient	30.10	60	NW	3	c	30.14	+.14	58	57	+3	NW	2	bc	3	–	68	52	*	–
	Rochefort ...	30.07	55	W	4	b	30.13	+.27	61	57	+3	SW	1	†	*	c,b	68	54	*	–
	Biarritz	30.13	65	NNW	3	bc	30.21	+.20	60	57	+1	Z	0	b	2	–	68	55	*	–
	Paris	30.01	59	NNW	3	0	30.10	+.24	54	52	+2	W	2	0	*	–	62	52	*	–
	Belfort	29.96	53	WSW	6	†	30.06	+.29	53	51	+2	W	2	0	*	–	63	48	*	0.08
	Lyons	30.06	60	NW	1	bc	30.15	+.33	54	48	−8	NNE	1	bc	*	–	68	49	*	0.16
	Nice	29.71	78	NNW	5	b	29.89	+.12	67	57	+5	SW	1	b	0	–	79	57	*	–
	Perpignan ...	29.98	70	NW	3	0	30.13	+.24	64	57	0	NW	1	0	*	–	78	57	*	–
SPAN. PEN.	Corunna ...																		*	
	Lisbon	30.08	63	NNW	4	b	30.08	+.03	66	60	0	NNW	4	b	*	–	70	61	*	–
	Azores (P. Delgada)	30.00	70	WSW	4	0	30.10	+.06	68	63	−2	NW	3	c	3	–	72	64	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR Tuesday, 22nd July, 1902

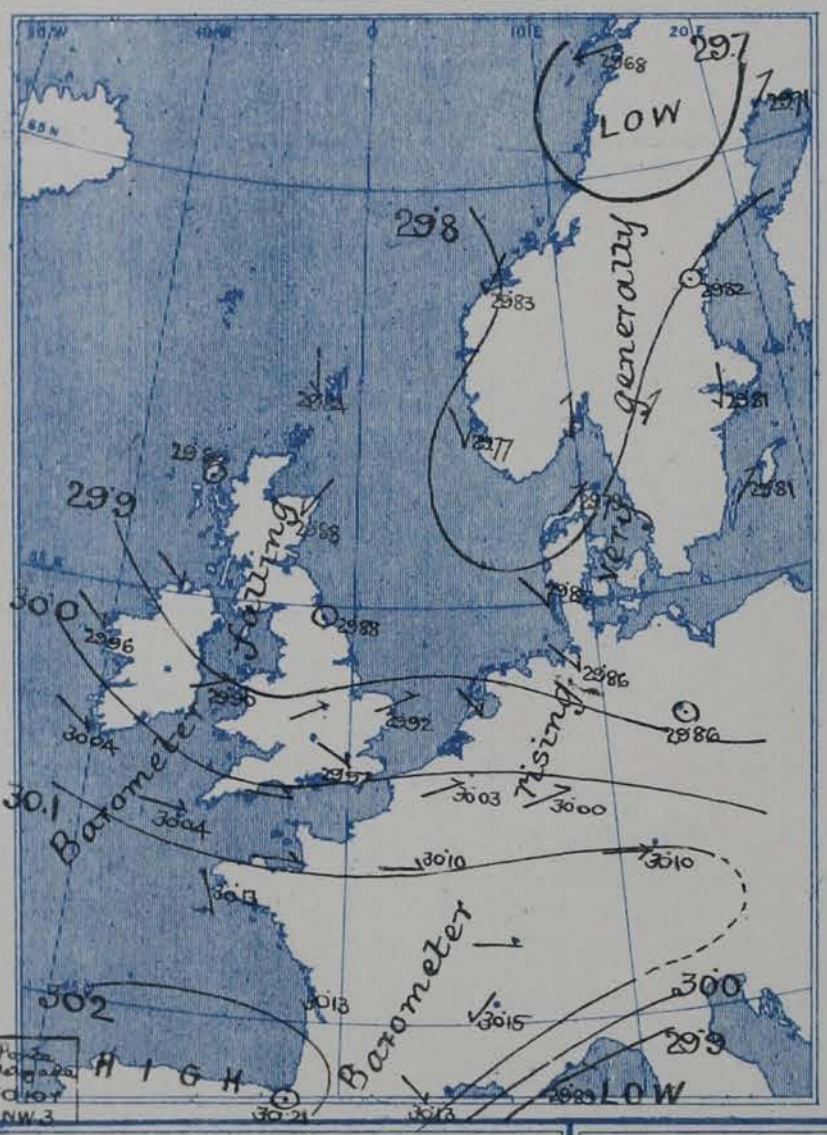
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 : *Force 5 to 7* : } Calm⊙
Force 8 to 10 : *Force 1 to 4* : }

SEA.—Rough : *High*

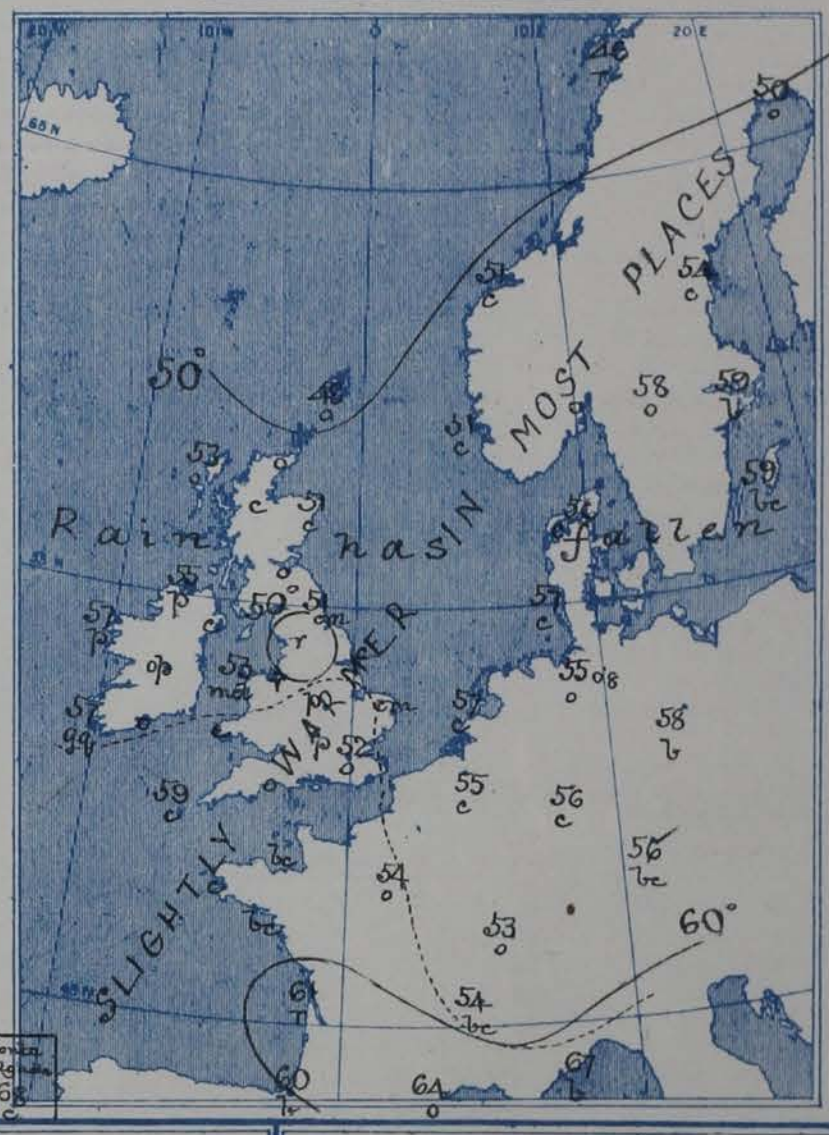


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

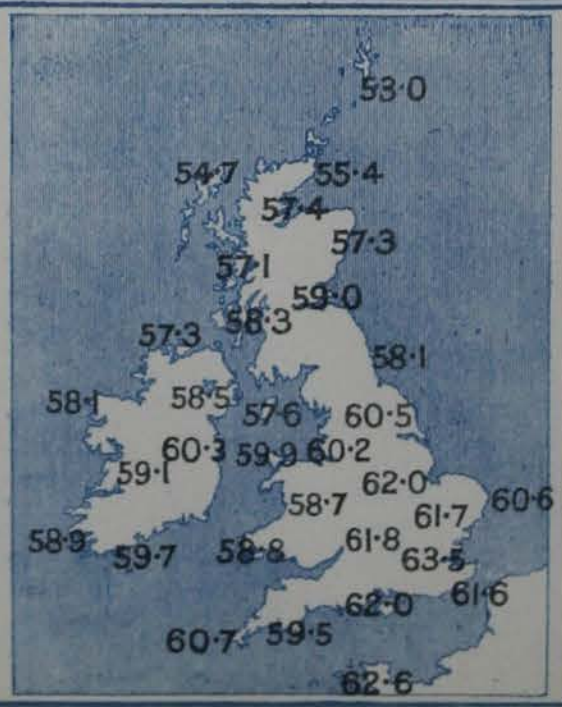


III. BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES

Combined for the month of JULY. *(1871-95.)*



V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JULY-AUGUST *(1871-1900.)*

GENERAL SITUATION AT 8 A.M.

PRESSURE

The distribution of pressure over our area has undergone a rather decided change. The lowest readings, 29.7 ins. and less, are still found over the north of Scandinavia, but another shallow cyclonic area has spread from the northward over the greater part of the United Kingdom, where the barometer continues to fall slowly. An anticyclone has in the meantime extended over France from the westward, the highest pressures, 30.2 ins. and upwards, being now found over the south-west of that country. The barometer is rising at most of the Continental stations.

WIND

TEMPERATURE

WEATHER

AND

SEA

In consequence of these changes the wind has backed to the W^d. or S.W^d. over the whole of England and the neighbouring parts of the Continent and to the N.W^d. in Ireland; in Scotland it is calm, or light from the N.E^d. On the Norwegian coasts the wind is moderate to fresh from the N^d. or N.E^d., while in Sweden it is chiefly S.W^ly. Temperature has risen a little in most countries, but has fallen slightly over Denmark and the Netherlands. Over Western Europe generally the readings are still below the average, the thermometer being below 55° in most parts of Great Britain and also over Central France; at Dungeness and Scilly, however, it has risen to 59°, readings slightly above 55° being reported also on the west and south coasts of Ireland. The weather is cloudy or dull in most places, with rain or passing showers at many of the English and Irish stations; rain is reported also at Bodö and at Rochefort. In many parts of France and Germany, however, the weather is fine. The sea is slight or smooth generally.

Over the greater part of the United Kingdom the thermometer yesterday failed to reach 60°, and at several of our northern stations it did not touch 55°. At Leith, however, it just reached 60°, while on our extreme west and south-west coasts that value was slightly exceeded. The amount of bright sunshine was small at all but our south-western stations; in many parts of England and at Stornoway there was none. Rain fell at many of our western and northern stations and also in Germany and Central France.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The present conditions are favourable for a continuance of W^ly. breezes over England, and a gradual rise of temperature is probable. The northern low pressure system is likely to spread a little further to the southward and to occasion showers at many of our southern stations. Fresh disturbances - probably small and shallow - are likely to appear shortly off the Irish coasts.

FORECASTS*

For the 24 hours ending at NOON on 23rd July, 1902

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH; 1 SCOTLAND EAST	Variable breezes, finally N.E^ly.; cool, cloudy, some rain.
2 ENGLAND N.E.	Variable or light N^ly. airs; cool, cloudy, some rain.
3 ENGLAND EAST; 4 MIDLAND COUNTIES; 5 ENGLAND SOUTH	W^ly. winds, light or moderate; cloudy, some showers. Becoming rather warmer.
6 SCOTLAND WEST	Same as Nos. 0 and 1.
7 ENGLAND N.W.; 8 ENGLAND S.W.	W^ly. and N.W^ly. winds, moderate; cloudy, showery. Becoming rather warmer.
9 IRELAND NORTH; 10 IRELAND SOUTH	N.W^ly. to S.W^ly. winds, moderate; changeable, some rain.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	o	*	o,c	61	46	2·1	—
Newton Reigny (Penrith)	29·95	54	WSW 1	o	29·86	-·15	48	48	o	SW 1	ogr	*	ogr	58	46	0·5	0·09
Bath	30·04	58	NW 1	b	29·97	-·03	52	50	o	N 1	o	*	—	60	45	0·7	—

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs	Rainfall. Ins.
Harrogate, up to 6 p.m.	56	46	o,c,o	1·6	0·06	Worthing	*	*	*	0·2	*
Birmingham, 9 p.m.	55	47	o	0·0	0·03	Llandudno	*	*	*	3·8	*
Lowestoft, up to 6 p.m. ...	57	50	o	0·5	0·19	Rhyl up to 6 p.m.	*	*	*	1·4	*
Hastings	*	*	*	1·5	*	Southport, 9 p.m.	58	49	o,cu	0·7	0·06
Eastbourne up to 6 p.m. ...	*	*	*	0·0	*	Manchester, 9 p.m. ...	60	48	or,ou	0·0	0·15
Brighton	*	*	*	0·6	*	Darwen, 9 p.m.	56	45	o	0·5	0·13

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 21st July	Temperature, F. Max. °	Temperature, F. Min. °	Weather.	Rain. Ins.	STATIONS. 20th July	Temperature, F. at 1 p.m. °	Weather.	Rain. (measured at 7 a.m.) Ins.
Marseilles	79	64	o,r	—	Geneva	Information not received.		
Utrecht...	64	41	c,o	—	Berne			
Copenhagen...	63	52	o,c	—	Lucerne			
Prague	72	55	o,o	0·24	Lausanne			
Vienna	68	57	c,c	0·04	Lugano			
Buda-Pesth	70	61	o,o	0·20	Locarno			
St. Petersburg	66	52	m,c	—				
Rome	87	69	b,b	—				
Malta	88	63	f	—				
Madeira (Funchal)	73	63	o,c	—				

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

22nd July 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	3. 58	11. 59	8. 0
Greenwich	4·10	12. 6	8. 2
Wick	3. 43	12·18	8. 53
Valencia	4·48	12·47	8. 46

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on WEDNESDAY 23rd JULY 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Temp. Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29·76	50	SW	2	c	29·80	+·09	56	49	+6	SW	2	b	*	–	56	48	*	–
	Hernösand ...	29·80	53	Z	0	b	29·81	–·01	53	52	–1	Z	0	†	*	–	61	43	*	0·04
	Stockholm ...	29·80	59	ESE	2	c	29·80	–·01	58	57	–1	WSW	2	0	*	–	66	52	*	0·04
	Wisby	29·81	58	SW	2	bc	29·82	+·01	59	56	0	NNW	2	c	*	–	66	50	*	–
	Karlstad... ...	29·77	59	SW	2	0	29·79	–·02	55	50	–3	SSW	2	0	*	–	*	*	*	–
	Færder (X'iania Fjord)	29·76	55	S	4	0	29·73	–·03	57	51	0	SW	6	bc	3	–	57	54	*	–
	Bodö	29·74	46	SSW	5	†	29·77	+·09	46	43	0	SSW	4	†	2	–	46	43	*	0·39
	Christiansund ...	29·82	49	N	4	c	29·76	–·07	49	46	–2	NE	5	0	3	–	51	48	*	–
	Skudesnaes ...	29·78	52	Z	0	0	29·76	–·01	51	47	0	NNW	4	0	2	c,0	55	48	*	*
BRITISH ISLANDS.	Sumburgh Head	29·89	50	N	2	c	29·83	–·01	48	45	0	N	1	c	3	0,c	53	42	*	0·01
	Stornoway ...	29·94	55	NE	3	0	29·99	+·13	48	45	–5	NE	2	0	2	od,0	60	44	2·0	–
	Malin Head ...	29·91	53	NW	5	cp	29·96	+·09	52	51	–3	N	4	0	3	c,cp	57	49	*	0·04
	Blacksod Pt. ...	30·00	58	NW	4	bc	30·00	+·04	55	52	–2	N	3	c	3	c,bc	61	49	*	0·02
	Valencia... ...	30·03	58	NW	3	c	30·01	–·03	56	52	–1	NNW	1	0	4	cp,c	60	52	3·1	0·04
	Roche's Point ...	29·97	61	NW	2	op	29·99	–·01	58	55	+1	NW	3	c	2	o,op	68	52	*	0·01
	Parsonstown ...	29·95	61	NW	2	0	29·98	+·04	53	51	–2	N	1	0	*	0	65	50	1·2	0·01
	Donaghadee ...	29·90	56	N	2	0	29·92	+·06	57	54	+2	NW	2	bc	2	–	59	49	*	–
	Liverpool Obsy.	29·88	55	WNW	3	c	29·92	+·02	55	54	+4	W	2	0	2	ot,c	59	?51	*	1·05
	Holyhead ...	29·91	57	WNW	2	c	29·94	+·04	57	54	+4	N	1	c	1	c	60	52	*	0·03
	Pembroke (St. Ann's)	29·93	57	WNW	4	bc	29·96	·00	56	53	+1	NNW	3	cw	3	–	60	53	3·2	–
	Scilly (St. Mary's)...	30·02	59	WNW	4	0	29·99	–·05	59	56	0	WNW	3	c	3	op,0	62	55	3·3	–
	Jersey (St. Aubins)...	30·04	60	W	5	cg	30·01	–·07	59	56	+2	W	3	og	3	cg	62	56	3·3	–
	Portland Bill ...	29·94	57	WSW	4	cp	29·97	–·06	57	56	+3	WNW	3	bc	3	c,cp	59	52	*	0·03
	Dungeness ...	29·95	54	WSW	5	†	29·92	–·07	57	55	–2	W	3	0	2	c,†	63	54	*	0·05
	Wick	29·90	50	Z	0	0	29·89	+·03	48	46	–4	N	3	0	1	–	56	45	*	0·06
	Nairn	29·89	57	E	1	c	29·92	+·06	50	49	–3	E	1	c	1	–	60	46	*	0·05
	Aberdeen ...	29·91	53	ESE	1	bc	29·91	+·03	49	48	–2	N	2	ctg	2	cg,bc	58	48	3·5	0·06
	Leith	29·90	55	NE	1	0	29·89	+·03	56	53	+4	NW	1	cm	*	–	59	50	*	0·02
	North Shields ...	29·90	51	E	2	0	29·91	+·03	53	50	+2	SW	1	0	2	o,p,0	56	48	*	–
	Spurn Head ...	29·89	55	Z	0	c	29·91	+·01	53	51	–1	N	3	c	3	–	59	50	*	–
	Yarmouth ...	29·89	57	Z	0	cm	29·88	–·04	56	53	+3	NNE	3	c	3	p,c,cm	58	51	*	0·21
	Loughborough ...	29·89	57	SSW	1	0	29·93	–·01	54	53	+2	E	2	cmw	*	cmp,gm	60	52	*	0·18
	Oxford	29·90	57	S	2	0	29·94	–·04	56	53	+5	NW	2	0	*	†,0	59	50	*	0·03
	London (Brixton)	29·91	57	WSW	1	0	29·91	–·06	57	54	+5	WNW	1	og	*	ot,c	58	52	0·0	0·02
GERMANY, &c.	The Scaw (Skagen)	29·82	53	WSW	1	c	29·79	·00	54	51	–2	SW	3	c	1	†	59	52	*	–
	Fanö	29·89	54	SW	2	c	29·85	·00	54	53	–3	S	2	†	*	–	61	54	*	0·08
	Cuxhaven ...	29·92	58	NW	3	c	29·87	+·01	52	51	–3	S	3	†	*	–	59	50	*	0·43
	The Helder ...	29·91	57	SW	2	0	29·87	–·06	58	53	+1	NW	1	0	1	–	63	55	*	–
	Brussels... ...	*	*	*	*	*	29·94	–·09	55	54	0	SW	3	0	*	–	60	50	*	0·35
	Berlin	29·93	59	W	1	b	29·95	+·09	58	54	0	SW	1	0	*	–	64	50	*	–
	Frankfürt ...	30·04	57	SW	2	0	30·00	·00	54	52	–2	SW	2	†	*	–	63	52	*	0·28
	Munich	30·13	55	SW	2	c	30·13	+·03	57	52	+1	W	4	c	*	–	64	50	*	–
FRANCE.	C. Gris Nez ...	30·04	55	SW	6	0	29·93	–·10	58	56	+3	WSW	5	0	5	–	64	55	*	0·16
	Brest	30·10	62	NNW	3	c	30·06	–·07	56	55	+5	NW	1	c	2	–	64	51	*	0·04
	Lorient	30·09	61	W	4	f	30·05	–·09	60	59	+2	NW	3	f	2	–	68	57	*	–
	Rochefort ...	30·13	64	W	2	bc	30·10	–·03	60	59	–1	NE	3	0	*	c,bc	70	57	*	–
	Biarritz	30·19	65	NNW	3	b	30·14	–·07	58	56	–2	E	4	bo	2	–	70	55	*	–
	Paris	30·06	60	W	2	0	30·03	–·07	56	55	+2	SW	2	0	*	–	66	54	*	0·04
	Belfort	30·06	58	WSW	4	c	30·06	·00	53	50	0	WSW	4	0	*	–	64	51	*	?
	Lyons	30·13	64	N	1	b	30·13	–·02	56	48	+2	SE	1	b	*	–	69	49	*	–
	Nice	29·90	71	E	1	b	30·01	+·12	65	59	–2	Z	*	b	0	–	79	57	*	–
	Perpignan ...	30·13	68	W	2	0	30·13	·00	65	59	+1	Z	0	c	*	–	77	56	*	–
SPAN. PEN.	Corunna ...																		*	
	Lisbon														*				*	
	Azores (P. Delgada)	30·16	65	NW	1	0	30·09	–·01	68	65	0	SE	4	c	3	–	72	64	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page*

WEATHER CHARTS

FOR Wednesday, 23rd July, 1902

I. BAROMETER, WIND AND SEA. *This Morning.*

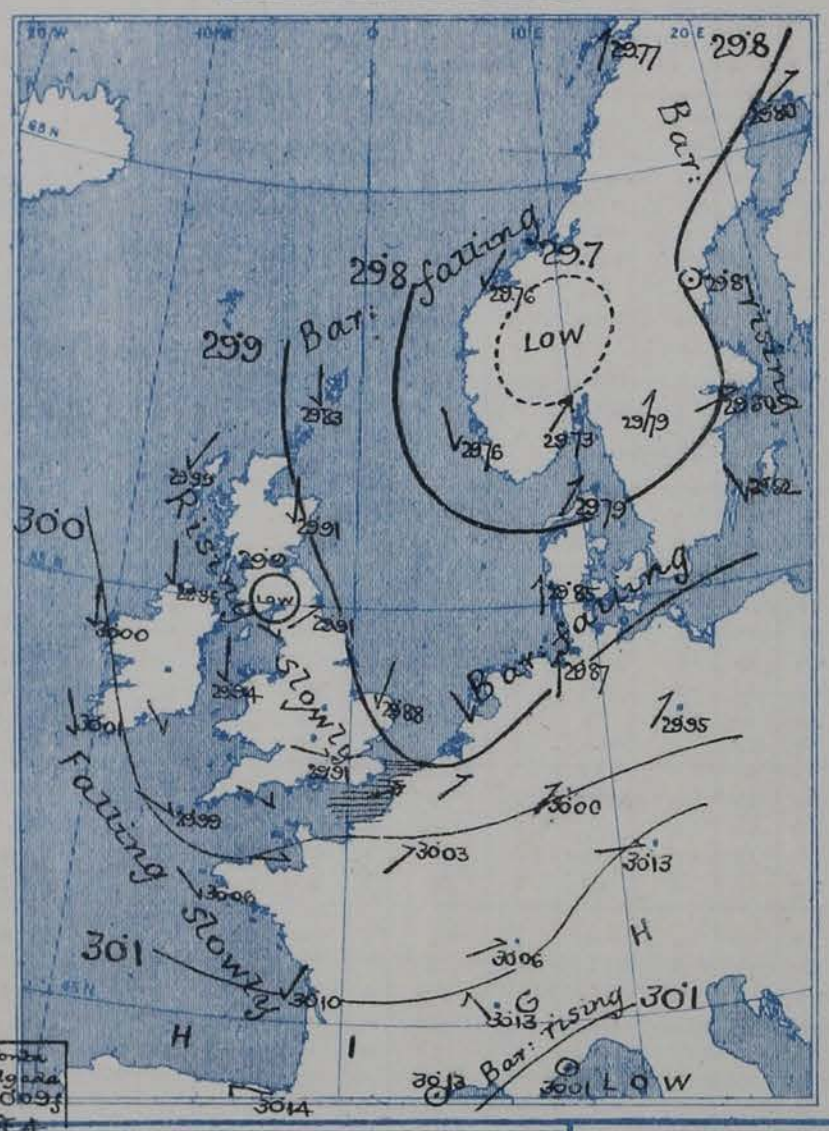
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

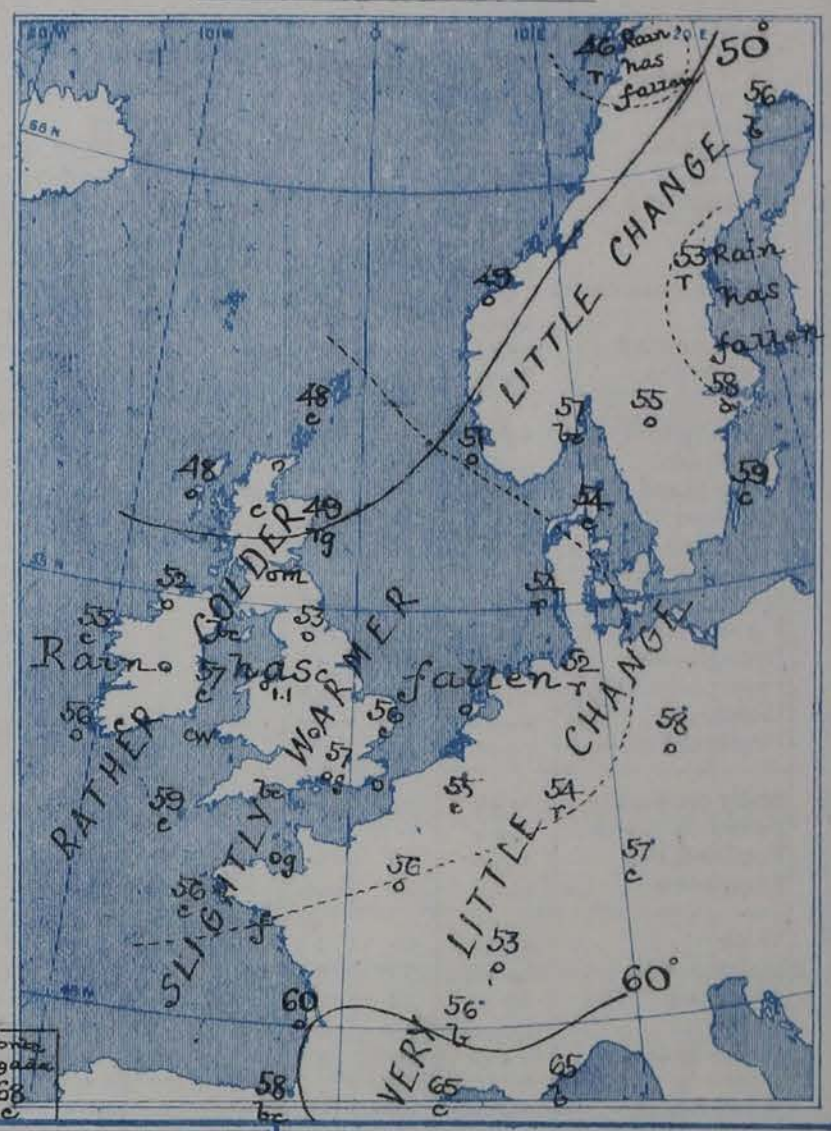


II TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



III BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES

Combined for the month of JULY. *(1871–95.)*

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JULY–AUGUST *(1871–1900.)*

GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometrical pressure is highest, 30·1 ins and upwards, over the southern parts of France and Germany, and lowest, about 29·7 ins, in a shallow cyclonic area over the south of Norway. In our islands the readings of the barometer are very uniform, but over Great Britain the distribution of pressure is rather irregular, owing to the presence of two or three small and exceedingly shallow depressions, subsidiary to the Norwegian disturbance. The mercury is rising in most parts of the United Kingdom, and also in Sweden, but is falling in the north of Scotland and the western parts of the Continent.

WIND

The wind is light from the N^d. on our west, north and east coasts, and is moderate to fresh from the same quarter in the west of Norway, but is W^ly. at the English Channel stations, S.W^ly. in Germany and Sweden, and S^ly. in Denmark; over the northern and central parts of England it is light and variable. E^ly. or N.E^ly. breezes are reported in the south of France.

TEMPERATURE

Temperature has risen a little over England, the Netherlands and the northern and central parts of France, but has fallen in most other regions. Over Western Europe generally the readings are still low for the time of year, those in our islands varying from 59° at Scilly and Jersey, and from a little above 55° at most of our western and southern stations to 48° or 49° on the north and north-east coasts of Scotland. Over Germany and Central France the readings are very little above 55°, and in some places they are below that point, the thermometer standing at 52° at Cuxhaven and 53° at Belfort.

WEATHER AND SEA

The weather is cloudy or dull in all parts of our area excepting the south of France; rain is falling at Aberdeen and in several parts of Scandinavia, Denmark and Germany. The sea is slight or smooth generally, but is rather rough at Cape Gris Nez.

The maximum temperatures reported yesterday were below 60° at most of our northern, eastern and central stations, and below 65° in all districts excepting the central and south-eastern parts of Ireland. The amount of bright sunshine was everywhere very small; at several of the English stations there was none. Rain fell in most parts of North-western Europe, but in our islands the quantity was, as a rule, slight.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic system over the south of Norway appears to be increasing somewhat in intensity, and the conditions are still favourable for the development of secondary areas over Great Britain and the North Sea. Cool, showery weather is therefore likely to continue over our islands generally.

FORECASTS*

For the 24 hours ending at NOON on 24th. July, 1902

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	N^ly. winds, light; cold, changeable, some rain.
2 ENGLAND N.E. 3 ENGLAND EAST	N.W^ly. winds, light; cool, changeable, some showers.
4 MIDLAND COUNTIES 5 ENGLAND SOUTH	Light breezes, chiefly W^ly; cool, changeable, some showers, thunder locally.
6 SCOTLAND WEST	Same as Nos. 0 and 1.
7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	N^ly. and N.W^ly. winds, light; cool, changeable, some showers.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea.	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	bc	*	o	61	53	1·0	0·02
Newton Reigny (Penrith)	29·86	57	Z, 0	o	29·89	+·03	54	49	+6	NW 1	b	*	cm, b	61	43	0·8	0·09
Bath	29·90	60	W, 2	o	29·95	−·02	57	54	+5	W 1	o	*	o	62	49	0·6	0·13

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs	Rainfall. Ins.
Harrogate, up to 6 p.m.	56	47	o, c, o	0·0	0·06	Worthing	*	*	*	0·4	*
Birmingham, 9 p.m.	59	47	o	0·1	0·08	Llandudno	*	*	*	4·0	*
Lowestoft, up to 6 p.m. ...	59	43	o, r	0·0	0·02	Rhyl up to 6 p.m.	*	*	*	2·9	*
Hastings	*	*	*	0·2	*	Southport, 9 p.m.	61	52	ot, c	2·1	0·31
Eastbourne up to 6 p.m. ...	*	*	*	0·4	*	Manchester, 9 p.m. ...	61	48	otm	0·0	0·26
Brighton	*	*	*	0·6	*	Darwen, 9 p.m.	56	48	d	0·0	0·49

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 22nd July	Temperature, F. Max. °	Temperature, F. Min. °	Weather.	Rain. Ins.	STATIONS. 21st July	Temperature, F. at 1 p.m. °	Weather.	Rain. (measured at 7 a.m.) Ins.
Marseilles	75	55	b, b	—	Geneva	59	r	—
Utrecht	68	52	r, c	—	Berne	63	o	0·39
Copenhagen	64	54	o, b	—	Lucerne	63	c	0·16
Prague	72	57	o, o	0·08	Lausanne	?	?	0·04
Vienna	73	55	r, b	0·12	Lugano	68	o	0·55
Buda-Pesth	82	61	c, b	—	Locarno	?	?	0·04
St. Petersburg	70	52	c, o	—				
Rome	86	73	c, c	—				
Malta	91	82	c	—				
Madeira (Funchal)								

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

23rd July, 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	4·0	11·59	7·58
Greenwich	4·12	12·6	8·0
Wick	3·48	12·18	8·51
Valencia	4·50	12·47	8·44

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" Weekly " " " £1 10 0 " Single Copies, 6d.

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† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on THURSDAY 24TH JULY 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)									PAST 24 HOURS.				
		At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Barometer. At 32° Fahr. and M. S. L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea. (0 to 9.)	Weather.	Temp. Max.	Temp. Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.80	50	W	2	b	29.88	+.08	54	51	-2	SW	4	b	*	–	61	50	*	–
	Hernösand ...	29.80	54	SE	4	o	29.86	+.07	56	53	+3	S	4	b	*	–	61	50	*	–
	Stockholm ...	29.82	59	Z	0	o	29.89	+.09	53	53	-5	SE	2	†	*	–	66	52	*	0.24
	Wisby	29.86	57	SE	2	c	29.87	+.05	61	56	+2	W	2	b	*	–	68	48	*	–
	Karlstad... ...	29.81	57	SSW	2	b	29.84	+.05	54	51	-1	SW	2	r	*	–	*	*	*	0.24
	Færder (X'iania Fjord)	29.76	55	SSW	5	bc	29.75	+.02	54	50	-3	SW	5	c	3	–	59	52	*	–
	Bodö	29.80	53	N	1	b	29.78	+.01	49	47	+3	N	2	o	1	–	54	45	*	0.04
	Christiansund ...	29.73	49	N	1	o	29.72	-.04	51	48	+2	NE	1	†	2	–	55	49	*	0.39
	Skudesnaes ...	29.81	50	Z	0	c	29.81	+.05	49	48	-2	Z	0	o	2	o,c	54	45	*	*
BRITISH ISLANDS.	Sumburgh Head	29.81	47	NW	3	c	29.71	-.12	47	43	-1	W	1	c	2	c	50	40	*	0.01
	Stornoway ...	29.94	49	NE	3	o	29.81	-.18	46	44	-2	NE	2	†	2	o	57	40	0.4	0.20
	Malin Head ...	29.84	52	N	5	o	29.85	-.11	51	47	-1	N	3	bc	3	bc,o	55	47	*	–
	Blacksod Pt. ...	29.98	59	NW	3	b	29.89	-.11	54	50	-1	NNW	3	c	2	c,b	60	50	*	0.01
	Valencia... ...	29.97	58	W	2	bc	29.87	-.14	55	53	-1	Z	0	c	3	c,bc	59	52	5.8	0.01
	Roche's Point ...	29.94	59	W	2	c	29.86	-.13	57	53	-1	NW	1	o	1	c	63	53	*	–
	Parsonstown ...	29.93	59	NNW	1	o	29.86	-.12	53	50	0	NNW	1	o	*	o	60	50	0.2	–
	Donaghadee ...	29.92	54	NNE	3	o	29.82	-.10	52	47	-5	N	3	bc	2	–	60	46	*	–
	Liverpool Obsy.	29.91	56	WNW	2	o	29.82	-.10	50	49	-5	WNW	1	†	2	p,o	60	50	*	0.04
	Holyhead ...	29.94	57	WSW	1	[illegible]	29.84	-.10	51	49	-6	NW	2	dm	1	bc,b	60	49	*	0.05
	Pembroke (St. Ann's)	29.95	56	W	3	c	29.84	-.12	57	55	+1	NW	2	cgp	2	–	60	54	5.9	0.01
	Scilly (St. Mary's)...	29.98	62	W	3	c	29.88	-.11	59	56	0	SSW	1	cp	1	bc,c	66	55	6.2	–
	Jersey (St. Aubins)...	30.03	62	W	3	cg	29.93	-.08	59	57	0	WSW	2	o	2	cg	64	51	2.5	–
	Portland Bill ...	29.97	59	WSW	3	b	29.90	-.07	57	56	0	WSW	3	c	3	bc,b	64	56	*	–
	Dungeness ...	29.95	60	W	4	o	29.91	-.01	61	58	+4	W	5	bc	3	o	67	56	*	–
	Wick	29.87	49	N	3	o	29.74	-.15	46	44	-2	NW	2	c	2	–	54	40	*	0.12
	Nairn	29.88	53	E	1	c	29.76	-.16	50	46	0	NE	2	bc	1	–	55	42	*	0.17
	Aberdeen ...	29.89	53	N	2	c	29.76	-.15	46	44	-3	NW	2	c	1	bc,c,r	56	43	3.7	0.63
	Leith	29.86	52	NE	2	o	29.77	-.12	48	46	-8	N	1	†	*	–	62	45	*	0.21
	North Shields ...	29.87	54	S	3	o	29.73	-.18	52	49	-1	SW	2	o	2	op,r,o	58	49	*	0.05
	Spurn Head ...	29.89	57	SSE	4	c	29.79	-.12	56	54	+3	SSW	3	o	2	–	60	52	*	–
	Yarmouth ...	29.94	60	E	2	b	29.82	-.06	59	54	+3	WSW	3	c	3	bcw,b	60	54	*	–
	Loughborough ...	29.91	62	SW	1	c	29.83	-.10	56	52	+2	WSW	2	bcw	*	cm,cmp	64	49	*	0.01
	Oxford	29.92	61	SW	2	bc	29.87	-.07	55	52	-1	SW	2	o	*	o,bc	69	50	*	–
	London (Brixton)	29.92	67	W	1	o	29.87	-.04	59	54	+2	WSW	1	c	*	op,c	69	53	1.0	0.02
GERMANY, &c.	The Scaw (Skagen)	29.80	55	W	1	c	?29.78	-.01	54	51	0	WSW	2	c	0	–	59	48	*	0.04
	Fanö	29.87	53	W	2	bc	29.90	+.05	55	50	+1	W	2	c	*	–	61	50	*	–
	Cuxhaven ...	29.86	59	W	1	r	29.95	+.08	57	52	+5	W	3	b	*	–	59	52	*	0.04
	The Helder ...	29.94	58	NNW	1	bc	29.87	.00	58	55	0	SSW	2	c	1	–	59	55	*	–
	Brussels... ...	*	*	*	*	*	29.95	+.01	62	57	+7	S	1	bc	*	–	65	49	*	0.20
	Berlin	29.91	59	W	1	b	29.99	+.04	57	54	-1	WSW	1	o	*	–	64	54	*	0.12
	Frankfürt ...	30.01	58	SW	2	o	30.03	+.03	57	54	+3	SW	2	o	*	–	68	54	*	0.16
	Munich	30.10	58	NW	2	b	30.12	-.01	59	54	+2	Z	0	b	*	–	66	50	*	–
FRANCE.	C. Gris Nez ...	30.01	59	SW	4	o	29.87	-.06	59	57	+1	SW	4	c	4	–	64	55	*	–
	Brest	30.04	61	WNW	1	c	29.95	-.11	59	59	+3	WNW	2	c	2	–	66	56	*	–
	Lorient	30.04	66	WNW	3	f	29.96	-.09	60	59	0	NW	2	f	2	–	70	57	*	–
	Rochefort ...	30.05	65	NW	2	b	29.97	-.13	59	58	-1	N	1	*	*	b	72	57	*	0.16
	Biarritz	30.02	68	NNE	3	c	29.97	-.17	66	65	+8	WSW	4	o	2	c,b	73	58	*	–
	Paris	30.03	66	WSW	2	o	29.98	-.05	58	56	+2	SE	1	c	*	–	68	54	*	–
	Belfort	30.02	61	WSW	4	c	30.02	-.04	54	52	+1	Z	0	m	*	–	68	46	*	–
	Lyons	29.98	71	NE	1	b	30.01	-.12	59	50	+3	E	1	b	*	–	76	52	*	–
	Nice	29.98	68	SW	2	c	30.02	+.01	66	61	+1	SW	2	c	0	–	77	57	*	–
	Perpignan ...	30.04	72	N	1	c	29.96	-.17	66	64	+1	Z	0	b	*	c	76	57	*	–
SPAN. PEN.	Corunna ...																		*	
	Lisbon	30.04	63	NNW	4	b	30.04	-.05	66	59	0	N	3	b	*	–	73	61	*	–
	Azores (P. Delgada)	29.91	69	WSW	4	m	29.91	-.18	67	65	-1	W	4	c	3	–	73	66	*	0.04

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR Thursday, 24th July, 1902

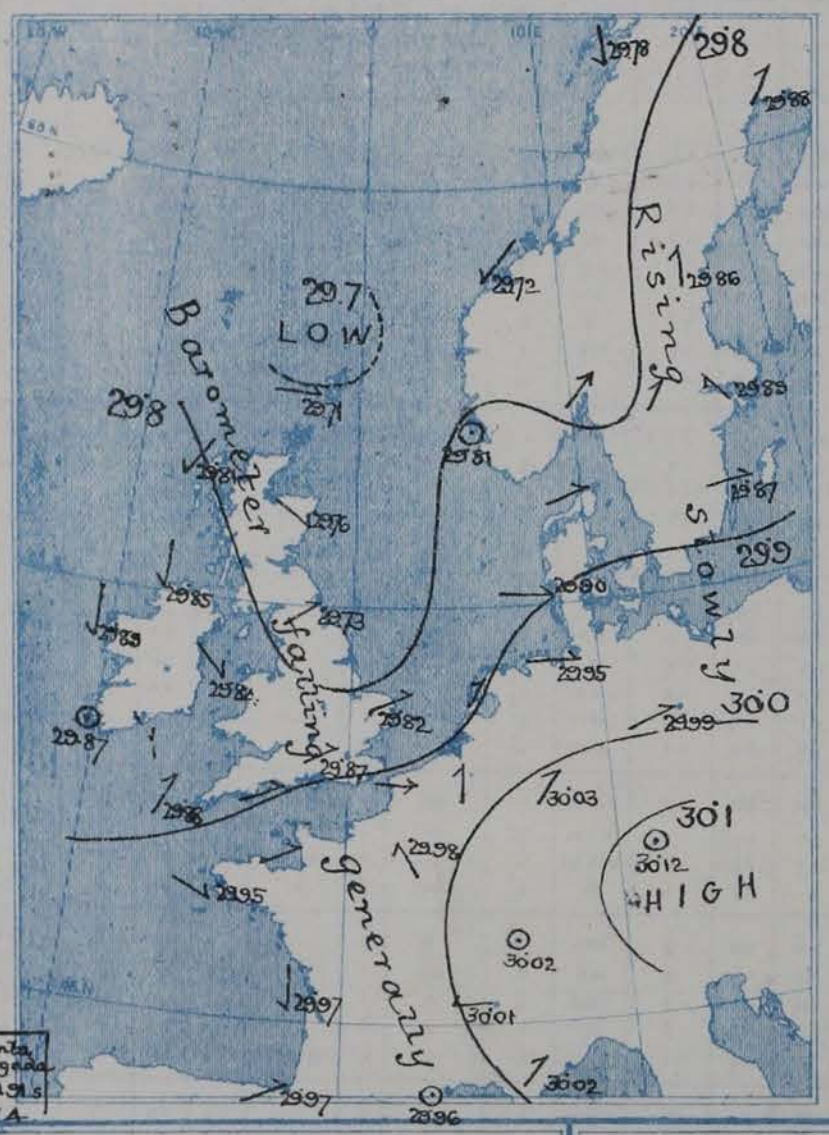
I. BAROMETER, WIND AND SEA This Morning

BAROMETER.—Isobars are drawn for each tenth of an inch

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* → : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* → : }

SEA.—Rough : *High*

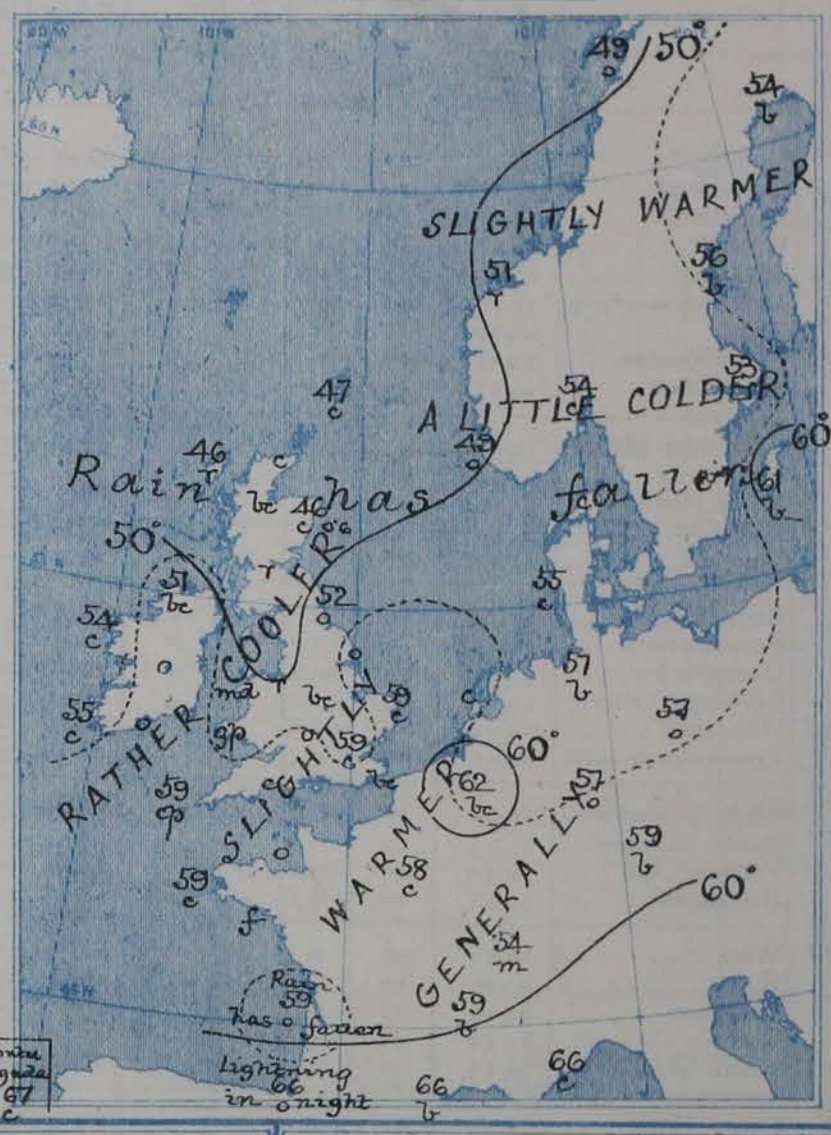


II. TEMPERATURE AND WEATHER This Morning

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

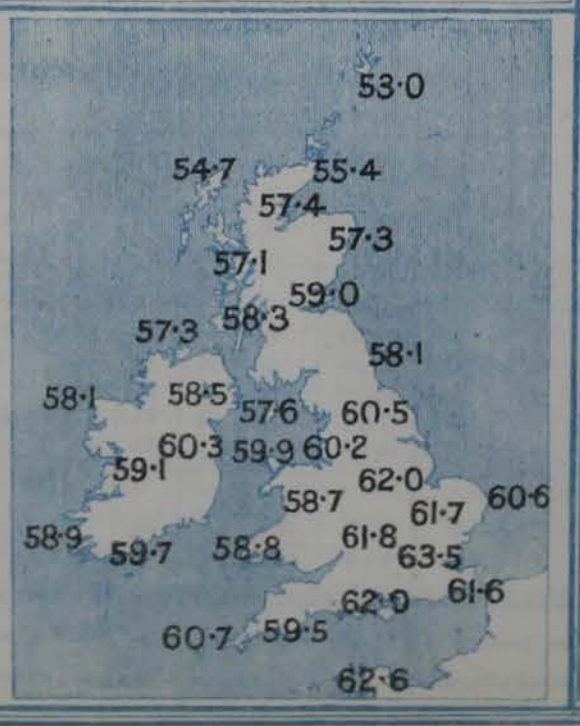


III. BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES

Combined for the month of JULY. *(1871–95.)*



V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JULY–AUGUST *(1871–1900.)*

GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometric pressure over Western Europe remains fairly uniform, but is somewhat irregularly distributed. The highest readings, 30·1 ins. and upwards, are found over South Germany, while the lowest, 29·7 ins. and less, are found in a shallow cyclonic area lying over and to the northward of the Shetlands. A secondary low pressure system is, however, lying over the northern parts of Great Britain, and there are some signs of the advance of another depression towards our south-west coasts. The barometer is falling in all parts of our islands and France, but is rising in Sweden, Denmark and Germany.

WIND

The wind is light from the S.W^d. or W^d. over England, Germany, Denmark and the south of Scandinavia, but is N^ly. or N.W^ly. over Ireland, Scotland and Wales, and N^ly. or N.E^ly. in the west of Norway; in France it is rather variable.

TEMPERATURE

Temperature has fallen in Ireland and the northern parts of Great Britain, as well as in the south of Scandinavia, but has risen elsewhere. Over Western Europe generally the thermometer is still below the normal, the deficit being slight in the southern parts of the United Kingdom (where the readings range between 57° and 61°), but large at most of our northern stations. On the Scotch coasts the readings are mostly below 50° (the lowest reported being 46° at Stornoway, Wick and Aberdeen), and are from 9° to 11° below the average for the time of year. Over France and Germany the thermometer is, as a rule, a little below 60°, but in the extreme south of France it is above 65°.

WEATHER AND SEA

The weather is fine in a few scattered places, but is cloudy or dull over Western Europe as a whole, with rain or passing showers in the western and northern parts of Great Britain, as well as at some of the Scandinavian stations. The sea is slight or smooth generally.

During yesterday the thermometer rose a little above 65° at several of our southern stations and reached 69° in London and at Oxford; on most parts of our west, north and east coasts it failed to exceed 60°, and in the north of Scotland it did not exceed 55°. The amount of bright sunshine was fairly large at some of our western stations and at Lowestoft, but small elsewhere. Showers fell in many parts of North-western Europe, and a considerable quantity of rain at Aberdeen. Lightning was seen at Biarritz.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The high pressure system over Germany is moving away to the eastward and the type of weather over Western Europe is becoming very complex. The secondary low pressure area in the north will probably spread further southwards, and as another disturbance is apparently advancing towards our south-west coasts, the weather is likely to become increasingly unsettled, with rain in all districts, and thunder at some of the English stations.

FORECASTS*

For the 24 hours ending at NOON on 25th July, 1902

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	N^ly. to N.E^ly. winds, light; cool, unsettled, some rain.	6 SCOTLAND WEST 7 ENGLAND N.W.	Light breezes, chiefly N^ly.; cool, unsettled, some rain.
2 ENGLAND N.E.	S.W^ly. to variable breezes; cool, unsettled, some rain.	8 ENGLAND S.W	S^ly. winds, light or moderate; cloudy, some rain, thunder locally.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	S.W^ly. to S^ly. winds, light; cloudy, unsettled, some showers, thunder locally.	9 IRELAND NORTH 10 IRELAND SOUTH	Same as Nos. 6 and 7.
		WARNINGS	None issues

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry °	Temperature. Wet °	Temperature. Change.	Wind.	Weather.	Sea.	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	bc	*	bc	63	54	3·6	–
Newton Reigny (Penrith)	29·86	59	N 2	c	29·76	–·13	50	48	–4	WSW 3	og	*	otg	64	45	6·5	0·07
Bath	29·93	65	W 2	c	29·86	–·09	58	54	+1	W 1	o	*	–	70	47	7·2	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs	Rainfall. Ins.
Harrogate, up to 6 p.m.	66	48	c, om	4·6	0·12	Worthing	*	*	*	3·6	*
Birmingham, 9 p.m.	65	52	c	2·0	0·06	Llandudno	*	*	*	7·8	*
Lowestoft, up to 6 p.m. ...	58	51	b	7·8	0·24	Rhyl up to 6 p.m.	*	*	*	6·2	*
Hastings	*	*	*	3·2	*	Southport, 9 p.m.	64	50	o, c, o	9·7	0·03
Eastbourne up to 6 p.m. ...	*	*	*	1·5	*	Manchester, 9 p.m. ...	?65	50	o	1·3	0·02
Brighton up to 6 p.m.	*	*	*	2·4	*	Darwen, 9 p.m.	63	48	ow	9·2	0·03

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 23rd July	Temperature, F. Max. °	Temperature, F. Min. °	Weather.	Rain.	STATIONS. 22nd July	Temperature, F. at 1 p.m. °	Weather.	Rain. (measured at 7 a.m.)
				Ins.				Ins.
Marseilles	77	54	c, b	–	Geneva	68	c	0·12
Utrecht	64	52	o, r	0·35	Berne	59	o	0·12
Copenhagen	66	54	o, c	–	Lucerne	59	c	0·28
Prague	66	54	o, c	0·20	Lausanne	?	?	0·04
Vienna	70	54	o, c	–	Lugano	77	bc	0·63
Buda-Pesth	77	59	b, b	–	Locarno	?	?	0·99
St. Petersburg	68	57	o, r	–				
Rome	83	61	b, b	–				
Malta	91	86	c	–				
Madeira (Funchal)								

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

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	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

24th July, 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	4·2	11·59	7·56
Greenwich	4·13	12·6	7·59
Wick	3·47	12·18	8·49
Valencia	4·58	12·47	8·42

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† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on FRIDAY 25TH JULY 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Temp. Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.95	55	SW	2	b	29.94	+.06	59	55	+5	NE	2	bc	*	–	66	46	*	–
	Hernösand ...	29.88	53	Z	0	0	29.88	+.02	54	52	−2	Z	0	0	*	–	64	52	*	–
	Stockholm ...	29.88	58	S	2	0	29.88	−.01	63	59	+10	SW	2	c	*	–	66	52	*	0.16
	Wisby	29.90	68	S	2	b	29.91	+.04	59	55	−2	W	2	bc	*	–	62	50	*	–
	Karlstad... ...	29.84	56	SW	2	0	29.80	−.04	56	53	+2	S	2	0	*	0,r	*	*	*	0.04
	Færder (Christiania Fjord)	29.79	55	SSW	2	0	29.75	.00	55	50	+1	SW	6	b	3	–	57	54	*	0.28
	Bodö	29.81	53	Z	0	c	29.77	−.01	59	53	+10	ESE	2	c	1	–	59	46	*	–
	Christiansund ...	29.75	49	N	1	bc	29.61	−.11	50	48	−1	W	1	c	2	–	51	45	*	0.16
	Skudesnaes ...	29.56	52	S	6	c	29.79	−.02	48	45	−1	WSW	6	c	3	0,c	55	46	*	*
BRITISH ISLANDS.	Sumburgh Head	29.66	48	WNW	1	c	29.68	−.03	47	44	0	WNW	3	0	3	bc,c	50	43	*	0.06
	Stornoway ...	29.79	53	NNW	2	0	29.79	−.02	46	45	0	NE	1	†	1	0	56	43	8.5	0.07
	Malin Head ...	29.85	53	NW	3	bc	29.84	−.01	53	50	+2	NW	2	b	2	bc	55	48	*	–
	Blacksod Pt. ...	29.88	56	NNW	3	b	29.88	−.01	55	51	+1	ESE	1	b	1	cp,b	59	44	*	0.02
	Valencia... ...	29.87	59	NNW	3	b	29.81	−.06	55	52	0	Z	0	0	3	bc,b	61	46	8.8	–
	Roche's Point ...	29.85	59	SW	1	0	29.84	−.02	56	55	−1	NW	1	cf	1	0,f	60	48	*	0.01
	Parsonstown ...	29.84	60	N	1	0	29.87	+.01	52	51	−1	NE	1	0	*	0	61	47	1.8	–
	Donaghadee ...	29.83	55	NNE	2	bc	29.88	+.06	51	49	−1	NW	2	b	2	–	57	40	*	–
	Liverpool Obsy.	29.83	56	WNW	2	b	29.90	+.08	57	52	+7	S	1	b	1	b	57	49	*	–
	Holyhead ...	29.86	53	NW	1	b	29.89	+.05	56	53	+5	Z	0	c	0	b	56	46	*	0.01
	Pembroke (St. Ann's)	29.85	58	Z	0	c	29.88	+.04	57	55	0	E	1	b	2	–	62	50	4.6	–
	Scilly (St. Mary's)...	29.90	62	WSW	1	c	29.87	−.01	59	57	0	S	2	cp	1	c	65	56	1.6	0.02
	Jersey (St. Aubins)...	29.93	61	WSW	4	og	29.98	+.05	61	57	+2	WSW	3	bc	3	p,c,og	65	56	4.0	0.01
	Portland Bill ...	29.88	58	WSW	4	c	29.94	+.04	59	59	+2	WSW	2	c	2	c	62	55	*	–
	Dungeness ...	29.86	62	W	5	bc	29.95	+.04	60	56	−1	W	2	c	2	b,bc	68	56	*	–
	Wick	29.72	47	N	2	bc	29.75	+.01	47	45	+1	NW	1	0	1	–	54	38	*	0.03
	Nairn	29.75	50	Z	0	c	29.76	.00	49	46	−1	NW	1	c	1	–	55	40	*	0.07
	Aberdeen ...	29.75	52	NNE	2	bc	29.80	+.04	52	47	+6	W	1	bc	1	bc,p,bc	55	41	6.2	0.04
	Leith	29.73	58	W	2	b	29.84	+.07	58	51	+10	WSW	3	c	*	–	66	42	*	–
	North Shields ...	29.78	50	ESE	1	†	29.87	+.14	52	47	0	SW	2	b	2	†	56	42	*	0.04
	Spurn Head ...	29.79	54	N	3	c	?29.90	+.11	54	51	−2	WNW	3	b	1	–	62	47	*	–
	Yarmouth ...	29.80	63	W	2	c	29.90	+.08	59	53	0	W	3	bcm	2	c	66	53	*	–
	Loughborough ...	29.82	60	WSW	3	c	29.93	+.10	54	50	−2	WSW	1	cmw	*	c,0,c,bm	62	38	*	–
	Oxford	29.85	58	SW	1	0	29.95	+.08	55	49	0	NE	1	c	*	0	67	46	*	–
	London (Brixton)	29.81	64	W	2	bc	29.94	+.07	59	55	0	W	1	c	*	bc,c	68	54	3.0	–
GERMANY, &c.	The Scaw (Skagen)	29.78	59	S	4	0	29.80	+.02	55	51	+1	WNW	2	c	0	–	61	54	*	–
	Fanö	29.79	57	SW	4	0	29.90	.00	54	52	−1	WSW	2	†	*	–	64	54	*	–
	Cuxhaven ...	29.86	63	SW	1	0	29.91	−.04	58	57	+1	SSW	1	bc	*	–	64	55	*	0.12
	The Helder ...	29.83	61	WSW	1	b	29.89	−.02	62	58	+4	WSW	1	c	1	–	66	50	*	–
	Brussels... ...	*	*	*	*	*	29.99	+.04	60	57	−2	SW	3	bc	*	–	70	50	*	0.12
	Berlin	29.94	63	SE	1	b	29.93	−.06	64	59	+7	Z	0	b	*	–	70	57	*	–
	Frankfürt ...	29.91	62	SW	1	c	29.97	−.06	61	58	+4	SW	2	bc	*	–	72	57	*	–
	Munich	29.99	63	SE	2	bc	30.07	−.05	57	56	−2	SW	3	0	*	–	72	55	*	0.12
FRANCE.	C. Gris Nez ...	29.92	59	SW	4	b	29.97	+.10	58	57	−1	WSW	4	c	4	–	66	55	*	–
	Brest	29.97	62	W	1	c	29.93	−.02	60	58	+1	SSE	2	c	2	–	66	57	*	–
	Lorient																		*	
	Rochefort ...	29.97	66	NW	4	bc	29.99	+.02	61	58	+2	SE	3	c	*	c,bc	68	55	*	–
	Biarritz	30.04	66	NW	3	0	30.00	+.03	64	63	−2	E	2	c	0	–	70	61	*	–
	Paris	29.89	69	SW	2	c	30.02	+.04	61	57	+3	W	1	0	*	–	75	56	*	–
	Belfort	29.95	59	WSW	2	0	30.01	−.01	57	55	+3	WSW	2	m	*	–	75	49	*	0.04
	Lyons	30.00	61	NE	1	c	38.04	+.03	59	59	0	NE	1	f	*	c,tlf	72	56	*	0.20
	Nice	30.00	66	Z	0	0	29.92	−.10	68	63	+2	E	1	b	0	–	75	59	*	–
	Perpignan ...	29.92	78	Z	0	c	29.99	+.03	71	69	+5	S	1	0	*	–	79	63	*	–
SPAN. PEN.	Corunna ...																		*	
	Lisbon	29.99	66	NW	4	b	30.00	−.04	67	63	+1	WSW	3	b	*	–	79	63	*	–
	Azores (P. Delgada)																		*	

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR FRIDAY, 25TH JULY, 1902

I. BAROMETER, WIND AND SEA *This Morning*

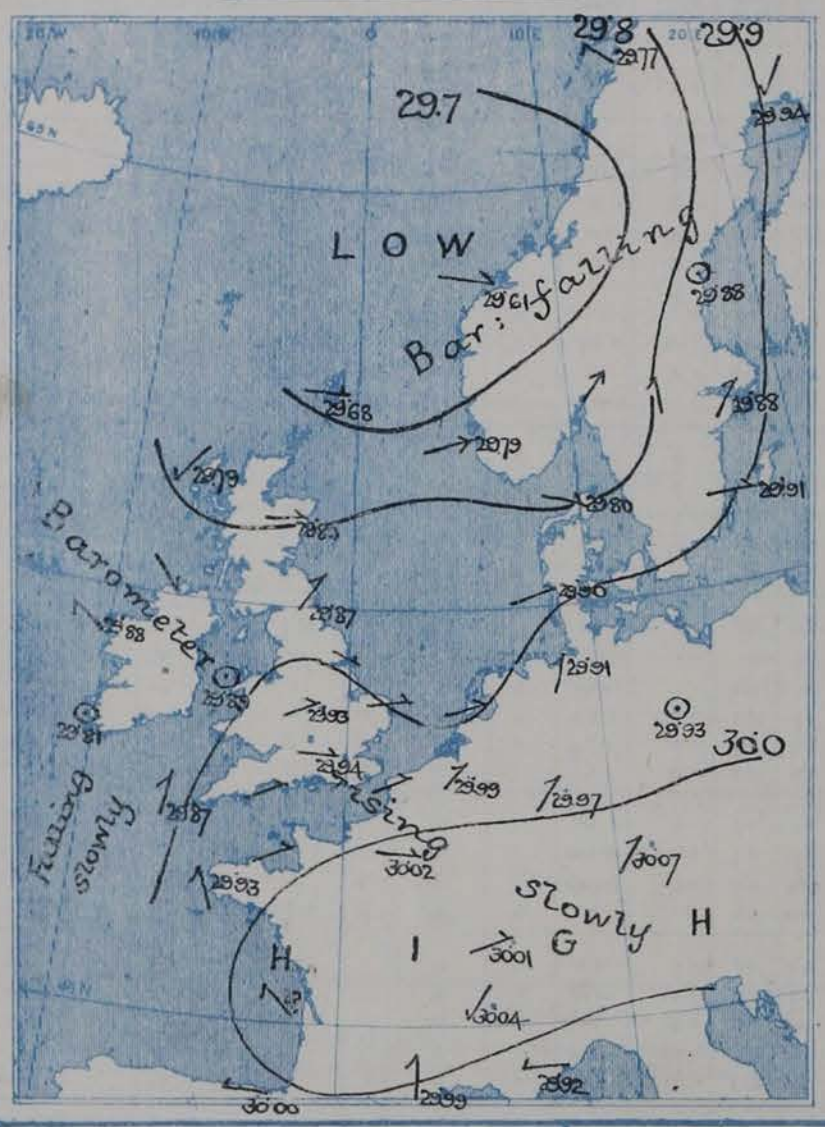
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* → : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* → : }

SEA.—Rough : *High*



II. TEMPERATURE AND WEATHER *This Morning*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

III. BAROMETER AND WIND

Yesterday morning

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES

Combined for the month of JULY. *(1871–95.)*

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JULY–AUGUST *(1871–1900.)*

GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer is now highest, 30·0 ins. and upwards, in an anticyclone lying over France and the southern parts of Germany, and lowest, 29·7 ins. and less, in a large shallow cyclonic area lying over the Shetlands, the west of Norway and the adjacent parts of the Atlantic. The latter system is apparently moving north-eastwards and is occasioning a fall of the barometer at most of the Scandinavian stations. In nearly all other parts of our area the mercury is at present rising, but on our own extreme south-west coasts a slight fall has set in during the night.

WIND

The wind is light from the W^d. or S.W^d. over England and the east of Scotland, as well as over the Netherlands, Germany, Denmark and the north of France, and strong from the same quarters in the south of Norway; in the northern parts of Ireland and Scotland it is light from the N.W^d. In the south of Ireland it is light and variable, and at the mouth of the English Channel S^ly, while in the west and south of France it varies between S.E. and E.

TEMPERATURE

Temperature has risen over France, Germany and the Netherlands, but has changed rather irregularly elsewhere. Over the greater part of the United Kingdom the readings are still below the average, the deficit being slight in the south of England, where the thermometer stands a little on either side of 60°, but larger in the north; in the north of Scotland the readings are again below 50°, the lowest reported being 46° at Stornoway. Over France and Germany the thermometer is, as a rule, very little above 60°, but in the extreme south of France it is above 65°, and at Perpignan it stands at 71°.

WEATHER AND SEA

The weather is fair over Western Europe as a whole, but is cloudy or dull in places; rain is falling at Stornoway and also at Paris. The sea is smooth generally.

During yesterday the thermometer rose to 65° and upwards at many of our eastern and southern stations, and to 68° in London. Over our northern and central districts the past night was cold, the sheltered thermomometer falling to 38° at Wick and Loughborough; at the latter station the minimum on the grass was 33°. The amount of bright sunshine was large on our east and south-east coasts (more than 13 hrs. at Hastings), but moderate or slight elsewhere. Showers fell yesterday in many parts of our islands and a thunderstorm occurred in the evening at Lyons.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure is becoming more regular than of late. The anticyclone over France is at present of little height, but is apparently increasing slowly in intensity and is inclined to spread northwards. The fall of the barometer in the south-west seems, however, to indicate the approach of a small disturbance towards that region, and showers are therefore probable over our southern districts.

FORECASTS*

For the 24 hours ending at NOON on 26th July, 1902

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W^ly and N.W^ly winds, light; cloudy, slight rain in places.
1 SCOTLAND EAST	W^ly and S.W^ly winds, light; fair generally. Rather warmer.
2 ENGLAND N.E.	
3 ENGLAND EAST	W^ly to S.W^ly winds, light; fair generally, but local showers in evening or night.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	N.W^ly to W^ly winds, light; fair generally, rather warmer.
7 ENGLAND N.W.	S^ly winds, light; fair at first, some showers later.
8 ENGLAND S.W.	S^ly to S.W^ly winds, light; changeable, some showers.
9 IRELAND NORTH	Same as No. 6.
10 IRELAND SOUTH	Light variable airs; cloudy, slight rain in places.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	b	*	c	67	52	2·9	0·01
Newton Reigny (Penrith)	29·77	57	W 3	b	29·88	+12	50	47	0	WSW 1	og	*	c,b,o	62	36	9·0	–
Bath	29·85	63	N 2	b	29·93	+·07	60	55	+2	SW 1	bc	*	–	67	48	6·4	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs	Rainfall. Ins.
Harrogate, up to 6 p.m.	62	49	c	8·6	0·08	Worthing	*	*	*	9·3	*
Birmingham, 9 p.m.	63	48	c	4·1	0·03	Llandudno	*	*	*	9·2	*
Lowestoft, up to 6 p.m. ...	65	53	c	2·8	–	Rhyl up to 6 p.m.	*	*	*	4·9	*
Hastings	*	*	*	12·9	*	Southport, 9 p.m.	59	52	o,c,bv	8·4	–
Eastbourne up to 6 p.m. ...	*	*	*	12·0	*	Manchester, 9 p.m. ...	63	50	b	3·5	0·02
Brighton	*	*	*	9·6	*	Darwen, 9 p.m.	57	47	b	6·5	–

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 24th July	Temperature, F. Max. °	Temperature, F. Min. °	Weather.	Rain. Ins.	STATIONS. 23rd July	Temperature, F. at 1 p.m. °	Weather.	Rain. (measured at 7 a.m.) Ins.
Marseilles	77	57	c, c	–	Geneva	72	b	–
Utrecht	64	43	r, c	0·12	Berne	66	b	–
Copenhagen	63	54	o, o	–	Lucerne	68	bc	–
Prague	68	57	o, o	–	Lausanne	?	?	–
Vienna	72	54	r, b	–	Lugano	73	bc	–
Buda-Pesth					Locarno	?	?	?
St. Petersburg	63	52	b, o	0·04				
Rome	85	62	c, c	–				
Malta	93	66	b	–				
Madeira (Funchal)								

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

25th July, 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	4 3	11 59	7 54
Greenwich	4 14	12 6	7 58
Wick	3 49	12 18	8 47
Valencia	4 54	12 47	8 41

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on SATURDAY 26TH JULY 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Temp. Min.	Sunshine. Hours	Rainfall Ins.
SCANDINAVIA.	Haparanda ...	29.86	60	SE	2	c	?29.81	-.13	56	54	-3	SE	4	f	*	-	72	52	*	0.20
	Hernösand ...	29.82	54	Z	0	0	29.80	-.08	57	52	+3	Z	0	b	*	-	63	52	*	-
	Stockholm ...	?29.89	59	SSW	2	0	29.98	+.10	59	54	-4	SW	2	b	*	-	68	54	*	-
	Wisby	29.94	58	SW	2	b	30.03	+.12	58	51	-1	NNW	2	b	*	-	68	50	*	-
	Karlstad... ...	29.91	55	SW	6	b	29.98	+.18	55	48	-1	W	4	b	*	-	*	*	*	0.04
	Færder (X'iania Fjord)	29.84	57	SW	6	b	29.96	+.21	56	49	+1	W	1	b	2	-	57	52	*	-
	Bodö	29.75	57	Z	0	c	29.75	-.02	50	49	-9	SW	2	f	1	-	63	48	*	-
	Christiansund ...	29.72	53	SW	4	0	29.91	+.30	49	46	-1	SW	6	f	3	-	54	45	*	0.24
	Skudesnaes ...	29.95	52	SSW	2	c	29.95	+.16	52	49	+4	SE	2	b	1	c	52	48	*	*
BRITISH ISLANDS.	Sumburgh Head	29.82	50	WNW	2	b	29.79	+.11	48	46	+1	E	1	f	3	c,b	53	40	*	0.05
	Stornoway ...	29.86	51	E	2	0	29.67	-.12	52	50	+6	E	1	0	1	p,0	56	38	2.8	0.13
	Malin Head ...	29.83	57	NE	2	b	29.35	-.49	51	51	-2	E	8	f	5	b,r	58	48	*	0.65
	Blacksod Pt. ...	29.73	56	NE	5	c	29.28	-.60	55	54	0	NE	9	fqm	7	b,c	60	52	*	0.85
	Valencia... ...	29.53	60	ENE	4	og	29.24	-.57	61	60	+6	SSE	1	c	3	0,og	64	55	1.3	0.55
	Roche's Point ...	29.63	57	SE	4	tm	29.28	-.56	58	57	+2	S	3	otw	4	0,tm	68	55	*	1.30
	Parsonstown ...	29.72	60	E	4	0	29.28	-.59	61	59	+9	SE	2	c	*	p,0,r	62	52	1.3	1.17
	Donaghadee ...	29.85	56	SE	2	c	29.35	-.53	53	53	+2	SE	6	fg	6	c,r	57	51	*	0.75
	Liverpool Obsy.	29.84	60	N	1	0	29.42	-.48	58	57	+1	ESE	3	0	3	0,r	66	53	*	0.41
	Holyhead ...	29.84	58	E	2	cm	29.37	-.52	58	57	+2	S	6	om	4	c,cm	62	53	*	0.46
	Pembroke (St. Ann's)	29.76	55	SE	4	f	29.38	-.50	59	58	+2	SSW	6	ogqp	6	r,mq	61	55	6.8	0.93
	Scilly (St. Mary's)...	29.64	59	SSE	6	r	29.34	-.53	60	59	+1	S	6	f	5	r	61	57	0.1	0.90
	Jersey (St. Aubins)...	29.90	64	ESE	2	og	29.66	-.32	67	63	+6	S	3	b	3	cgo,opg	67	60	5.3	0.12
	Portland Bill ...	29.91	58	ESE	3	r	29.61	-.33	60	60	+1	SSW	6	c	4	c,r	63	56	*	0.25
	Dungeness ...	29.95	61	SW	2	c	29.70	-.25	62	60	+2	S	4	ep	2	c	65	59	*	0.10
	Wick	29.84	53	E	2	bc	29.68	-.07	52	50	+5	E	2	bc	1	-	56	40	*	-
	Nairn	29.83	55	NW	1	c	29.63	-.13	50	48	+1	E	1	0	2	-	60	40	*	0.03
	Aberdeen ...	29.87	52	S	2	cp	29.69	-.11	51	49	-1	SE	4	otgq	4	bcp,cp	58	41	5.9	0.08
	Leith	29.84	58	W	1	b	29.52	-.32	54	53	-4	ENE	2	r	*	-	60	48	*	0.27
	North Shields ...	29.87	56	SE	3	c	29.56	-.31	53	53	+1	ESE	4	r	3	bc,r,c,r	62	51	*	0.30
	Spurn Head ...	29.88	56	SE	4	c	29.56	-.34	57	57	+3	SE	7	cqr	4	-	61	53	*	0.27
	Yarmouth ...	29.95	61	SE	4	c	29.67	-.23	61	59	+2	S	5	c	4	b,c	64	55	*	0.18
	Loughborough ...	29.89	63	SE	2	0	29.54	-.39	60	59	+6	S	4	cqv	*	c,or,c	69	53	*	0.31
	Oxford	29.89	61	S	3	0	29.56	-.39	64	61	+9	S	3	bcq	*	0,r	64	54	*	0.16
	London (Brixton)	29.91	64	WSW	1	0	29.62	-.32	65	60	+6	SSW	4	0	*	c,0	70	55	1.6	0.07
GERMANY, &c.	The Scaw (Skagen)	29.96	53	W	2	bc	29.99	+.19	55	53	0	SW	1	b	0	-	59	46	*	-
	Fanö	30.00	56	WSW	1	bc	29.98	+.08	56	54	+2	SE	2	b	*	-	64	46	*	-
	Cuxhaven ...	29.99	62	Z	0	c	29.98	+.07	58	56	0	S	1	0	*	-	64	54	*	0.04
	The Helder ...	29.98	60	WNW	1	b	29.81	-.08	62	59	0	ESE	1	r	1	-	68	52	*	-
	Brussels... ...	*	*	*	*	*	29.79	-.20	66	59	+6	SSE	4	c	*	-	69	58	*	-
	Berlin	29.99	68	Z	0	b	30.02	+.09	66	62	+2	Z	0	bc	*	-	77	61	*	-
	Frankfürt ...	30.03	63	N	2	b	29.98	+.01	64	58	+3	E	2	b	*	-	73	55	*	-
	Munich	30.13	61	SE	2	b	30.11	+.04	62	59	+5	SE	2	b	*	-	70	52	*	0.08
FRANCE.	C. Gris Nez ...	29.96	63	SW	1	c	29.76	-.21	65	59	+7	S	4	0	2	-	68	55	*	-
	Brest	29.78	62	SSE	4	0	29.62	-.31	61	61	+1	SSW	4	c	4	-	64	60	*	0.12
	Lorient	29.85	64	SSE	3	f	29.69	-.27	64	64	+5	SW	5	b	3	-	73	63	*	-
	Rochefort ...	29.87	71	W	2	b	29.78	-.21	68	?65	+7	W	2	b	*	b	82	61	*	-
	Biarritz	29.84	85	E	3	b	29.87	-.13	73	69	+9	E	3	b	0	-	86	?64	*	-
	Paris	29.96	71	S	2	0	29.81	-.21	67	61	+6	SSE	2	b	*	-	77	61	*	-
	Belfort	29.96	71	Z	0	b	29.94	-.07	64	59	+7	NE	4	m	*	-	73	54	*	-
	Lyons	29.96	77	E	1	b	29.93	-.11	75	61	+16	SSW	1	b	*	-	81	59	*	-
	Nice	29.92	75	W	2	b	30.07	+.15	71	64	+3	S	1	b	0	-	81	61	*	-
	Perpignan ...	29.93	76	NE	3	b	29.97	-.02	70	69	-1	NW	1	f	*	-	79	68	*	-
SPAN. PEN.	Corunna ...																		*	
	Lisbon														*				*	
	Azores (P. Delgada)																		*	

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.*

† *Observations received [illegible]*

WEATHER CHARTS

FOR Saturday, 26th July, 1902

I. BAROMETER, WIND AND SEA This Morning

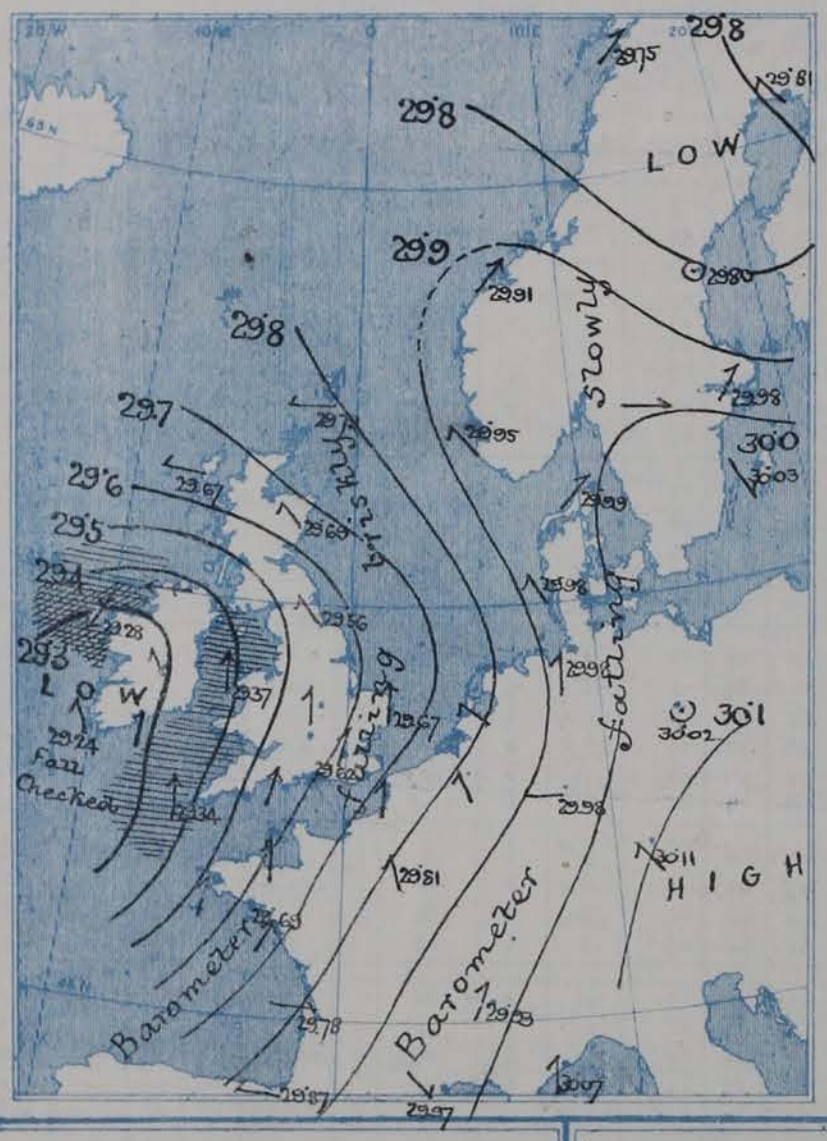
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* → : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* → : }

SEA.—Rough : *High*



II TEMPERATURE AND WEATHER This Morning

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

III BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES

Combined for the month of JULY. *(1871-1900)*

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JULY-AUGUST *(1871-1900)*

GENERAL SITUATION AT 8 A.M.

PRESSURE

A cyclonic disturbance of considerable intensity for the time of year is now spreading over our islands from the south-westward, the centre of the system being situated off the south-west of Ireland. The barometer is consequently falling briskly in nearly all parts of the United Kingdom and less decidedly at most of the Continental stations, the lowest readings, 29·3 in. and less, being reported over Ireland. The highest readings, 30·1 in. and upwards, are found over South Germany.

WIND

The wind is S.ly or S.W.ly over all the more southern parts of the United Kingdom, and also in the north of France, and blows strongly in the English, the British and the St. George's Channels. On our east coasts, and on all the Continental shores of the North Sea it is S.E.ly, and in Scotland E.ly, while on the north coasts of Ireland it blows a gale from the E.d or N.E.d. At the Scandinavian stations the wind is chiefly S.W.ly.

TEMPERATURE

Temperature has risen in most places, and in the south of England, where the readings range between 60° and 65°, it is now slightly above the average. In the northern parts of the United Kingdom it remains below the normal, the readings being below 55° very generally. Over Northern, Central and Western France the thermometer is above 65°, while in the south of that country it is above 70°, the highest reading reported being 75° at Lyons.

WEATHER AND SEA

The weather is temporarily fine at some of our southern stations, but is in a cloudy, unsettled state over the United Kingdom generally, with steady rain in most of the western and northern districts. In the western parts of the Continent the weather is fine, but in the northern parts of Scandinavia it is rainy. The sea is high at Blacksod Point, and rough on most exposed parts of our western coasts.

During yesterday the thermometer rose to 65° and upwards at many of the English stations and to 70° in London; in our extreme north and north-west coasts it did not exceed 60°. The amount of bright sunshine was generally small, but was considerable at some of our north-western stations, the largest amount reported being 10·5 hr. at Southport. Rain has fallen over the whole Kingdom – heavily in the west, the amounts reported being as large as 1·8 in. at Roche's Point, 1·2 in. at Parsonstown, and 0·9 in. at Blacksod Point, Pembroke and Scilly.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic system in the west is likely to move northwards, but there are some indications of the advance of a small secondary disturbance towards our south-west coasts. Increasing winds are probable on most of our coasts – from the S.E.d in the north, but from the S.W.d in the south, with equally unsettled weather in all districts.

FORECASTS*

For the 24 hours ending at NOON on 27th July, 1902

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E.ly and S.E.ly winds, increasing in force; squally, rainy.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S.E.ly to S.ly winds, strong, a gale on coast; squally, showery.
3	ENGLAND EAST	S.ly to S.W.ly winds, strong; a gale on coast; squally, showery.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	S.ly winds, strong to a gale; squally and rainy at first, some improvement later.
8	ENGLAND S.W	Same as Nos. 3 to 5.
9	IRELAND NORTH	E.ly to S.E.ly gales, moderating later; squally, rainy.
10	IRELAND SOUTH	S.ly and S.W.ly winds, increasing in force; squally, showery.
	WARNINGS	At 7.20 p.m. yesterday to districts 8, 10 and parts of 5 and 7, and at 9.45 a.m. to-day to districts 1, 2, 3 and the remainder of 5 and 7, "Hoist South Cone".

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea.	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	bc	*	b,c	66	59	5·5	0·08
Newton Reigny (Penrith)	29·86	61	NE 1	c	29·47	-·41	51	50	+1	SE 4	rg	*	c,ot	64	45	7·5	0·40
Bath	29·88	63	S 1	o	29·55	-·38	65	60	+5	S 5	b	*	—	65	55	3·5	0·27

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs	Rainfall. Ins.
Harrogate, up to 6 p.m.	62	41	c,o	7·1	—	Worthing	*	*	*	0·8	*
Birmingham, 9 p.m.	64	44	o	0·4	—	Llandudno	*	*	*	4·9	*
Lowestoft, up to 6 p.m. ...	65	52	o	7·2	—	Rhyl up to 6 p.m.	*	*	*	7·7	*
Hastings	*	*	*	1·7	*	Southport, 9 p.m.	64	47	o,c,o	10·5	—
Eastbourne up to 6 p.m. ...	*	*	*	1·8	*	Manchester, 9 p.m. ...	71	39	b	9·0	—
Brighton	*	*	*	1·2	*	Darwen, 9 p.m.	64	43	bmw	8·4	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 25 July-/02	Temperature, F. Max. °	Temperature, F. Min. °	Weather.		Rain. Ins.	STATIONS. 24.VII.02	Temperature, F. at 1 p.m. °	Weather. 1 pm.	Rain. (measured at 7 a.m.) Ins.
Marseilles	82	57	o	b	—	Geneva	66	o	—
Utrecht	68	48	o	o	0·04	Berne	72	o	—
Copenhagen	64	55	c	o	—	Lucerne	72	o	—
Prague	72	57	b	r	0·04	Lausanne	?	?	—
Vienna	73	59	b	c	—	Lugano	73	o	—
Buda-Pesth	79	59	c	c	—	Locarno	?	?	—
St. Petersburg	66	52	r	o	0·16				
Rome	88	64	c	o	—				
Malta	93	73	?	f	—				
Madeira (Funchal) not rec									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

26...VII, 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	4.4	11.59	7.53
Greenwich	4.16	12.6	7.56
Wick	3.51	12.18	8.45
Valencia	4.55	12.47	8.40

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on SUNDAY 27TH JULY 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Temp. Min.	Sunshine. Hours	Rainfall Ins.
SCANDINAVIA.	Haparanda ...	29.73	52	S	2	o	29.75	-.06	53	51	-3	W	2	o	*	–	59	52	*	–
	Hernösand ...	29.87	50	Z	o	b	29.80	.00	56	54	-1	Z	o	o	*	–	63	43	*	0.16
	Stockholm ...	29.94	58	S	2	o	29.76	-.22	60	58	+1	SE	2	o	*	–	63	50	*	–
	Wisby	29.96	60	S	2	c	29.69	-.34	62	60	+4	SSE	2	c	*	–	63	52	*	0.08
	Karlstad... ...	29.85	60	E	2	o	29.58	-.40	59	56	+4	E	2	o	*	–	*	*	*	–
	Færder (Christiania Fjord)	29.83	56	SE	1	o	29.47	-.49	59	58	+3	SE	5	o	3	–	59	55	*	0.35
	Bodö	29.83	51	SW	2	c	29.74	-.01	51	47	+1	E	4	b	1	–	52	43	*	0.12
	Christiansund ...	29.81	54	N	1	bc	29.43	-.48	57	50	+8	SE	1	bc	2	–	57	48	*	0.04
	Skudesnaes ...	29.67	51	E	2	o	29.26	-.69	57	56	+5	SE	4	o	2	o	57	50	*	*
BRITISH ISLANDS.	Sumburgh Head	29.60	51	E	3	o	29.34	-.45	47	45	-1	N	4	+	6	o	54	45	*	0.26
	Stornoway ...	29.49	53	E	4	+	29.54	-.13	50	49	-2	NE	2	o	2	o,+	58	45	1.0	0.05
	Malin Head ...	29.28	52	N	7	+q	29.59	+.24	53	51	+2	N	5	op	4	+q	53	49	*	2.36
	Blacksod Pt. ...	29.41	55	N	6	omp	29.75	+.47	55	53	0	NW	3	bcp	3	+q,m,omp	55	49	*	0.31
	Valencia... ...	29.36	56	NW	6	omg+	29.86	+.62	56	51	-5	WNW	3	c	4	c,omg+	64	52	4.7	–
	Roche's Point ...	29.29	64	SW	2	bc	29.79	+.51	56	52	-2	NW	4	bc	3	c,tp,bc	?70	52	*	0.50
	Parsonstown ...	29.27	62	W	2	+	29.75	+.47	54	49	-7	NW	7	bq	*	t,cp,+	69	48	4.2	0.12
	Donaghadee ...	29.21	60	S	2	o	29.53	+.18	55	51	+2	N	3	c	3	–	66	51	*	0.06
	Liverpool Obsy.	29.22	60	S	2	p	29.52	+.10	54	51	-4	W	6	o	5	p	68	53	*	0.35
	Holyhead ...	29.17	57	S	2	df	29.58	+.21	53	52	-5	WNW	7	oq	5	cmr,df	61	52	*	0.62
	Pembroke (St. Ann's)	29.30	59	SW	6	o	29.68	+.30	54	53	-5	NW	5	oqu	5	o,p	60	54	3.9	0.20
	Scilly (St. Mary's)...	29.41	62	SW	5	o	29.78	+.44	58	56	-2	NW	5	o	5	m,o	67	55	5.9	0.18
	Jersey (St. Aubins)...	29.65	67	SSW	5	cg	29.85	+.19	61	55	-6	SW	6	og	5	cg	71	55	9.0	–
	Portland Bill ...	29.51	60	S	6	o	29.65	+.04	58	57	-2	WSW	5	c	5	c,o	65	55	*	0.07
	Dungeness ...	29.61	65	SW	5	bc	29.65	-.05	60	58	-2	WSW	7	o	5	bc,qp	68	58	*	0.04
	Wick	29.48	51	E	3	+	29.40	-.28	51	48	-1	N	4	o	1	–	54	46	*	0.20
	Nairn	29.42	50	E	2	+	29.45	-.18	51	48	+1	NNE	4	c	3	–	53	47	*	0.45
	Aberdeen ...	29.34	50	ENE	7	orgq	29.36	-.33	48	47	-3	NW	5	ogq+	4	orgq	52	48	0.0	0.92
	Leith	29.28	53	NNE	2	+	29.46	-.06	51	48	-3	NW	4	o	*	–	56	49	*	1.06
	North Shields ...	29.28	57	ESE	3	p	29.39	-.17	52	51	-1	NW	2	o	3	c,p	67	51	*	1.21
	Spurn Head ...	29.43	66	S	6	bc	29.40	-.16	61	58	+4	SW	6	cqp	4	–	72	57	*	0.07
	Yarmouth ...	29.50	67	S	4	bc	29.51	-.16	65	59	+4	WSW	5	b	4	b,bc	69	59	*	–
	Loughborough ...	29.35	66	SSW	6	c	29.51	-.03	58	55	-2	W	3	ou	*	bc,cq,p	72	56	*	0.10
	Oxford	29.41	61	S	7	o	29.58	+.02	59	57	-5	SW	2	+	*	pq,o	69	57	*	0.05
	London (Brixton)	29.52	68	SW	6	cq	29.59	-.03	59	58	-6	W	4	o	*	cq,qp	74	58	7.0	0.05
GERMANY, &c.	The Scaw (Skagen)	29.78	59	SE	2	m	29.48	-.51	60	60	+5	SSE	3	+	1	m,tlt	63	55	*	0.91
	Fanö	29.78	58	SE	2	+	29.50	-.48	60	59	+4	SW	6	+	*	+,t	66	55	*	0.28
	Cuxhaven ...	29.73	62	SE	4	+	29.62	-.36	64	59	+6	SW	5	bc	*	tlt,+	66	54	*	0.08
	The Helder ...	29.61	68	SW	1	c	29.55	-.26	63	60	+1	SW	5	c	3	–	72	61	*	0.03
	Brussels... ...	*	*	*	*	*	29.78	-.01	59	56	-7	SW	5	+	*	–	80	57	*	–
	Berlin	29.81	74	S	1	b	29.76	-.26	72	67	+6	SW	3	b	*	–	82	63	*	0.08
	Frankfürt ...	29.73	75	SW	2	b	29.86	-.12	72	62	+8	SW	4	bc	*	–	88	68	*	–
	Munich	29.98	72	SE	3	b	30.05	-.06	74	67	+12	SE	2	bc	*	–	82	68	*	–
FRANCE.	C. Gris Nez ...	29.63	67	SW	5	b	29.71	-.05	60	58	-5	SW	6	o	6	–	75	57	*	0.08
	Brest	29.62	61	SW	6	o	29.88	+.26	59	55	-2	WNW	5	c	5	–	64	57	*	0.04
	Lorient	29.74	66	SW	6	f	29.91	+.22	60	60	-4	W	6	f	5	–	72	57	*	–
	Rochefort ...	29.91	69	W	4	bc	30.02	+.24	66	62	-2	W	4	c	*	b,bc	75	61	*	–
	Biarritz	30.00	72	W	1	b	30.14	+.27	69	66	-4	N	2	o	4	–	77	66	*	–
	Paris	29.77	79	WSW	4	bc	29.91	+.10	64	57	-3	SW	4	o	*	–	87	61	*	–
	Belfort	29.76	80	WSW	5	bc	30.02	+.08	58	57	-6	W	4	+	*	–	88	57	*	0.12
	Lyons	29.88	84	S	3	b	30.10	+.17	66	59	-9	N	1	o	*	b,tlt	89	60	*	–
	Nice	30.03	74	SW	3	b	30.05	-.02	75	64	+4	Z	0	b	0	–	82	64	*	–
	Perpignan ...	29.93	73	NE	3	o	30.04	+.07	72	65	+2	W	2	o	*	–	79	70	*	–
SPAN. PEN.	Corunna ...																		*	
	Lisbon	30.10	66	NW	3	b	30.15	+.10	67	61	-2	N	4	bc	*	–	77	63	*	–
	Azores (P. Delgada)	30.21	67	E	1	bc	30.20	+.08	68	63	+1	E	4	c	3	–	73	64	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR Sunday, 27th July 1902

I. BAROMETER, WIND AND SEA. *This Morning.*

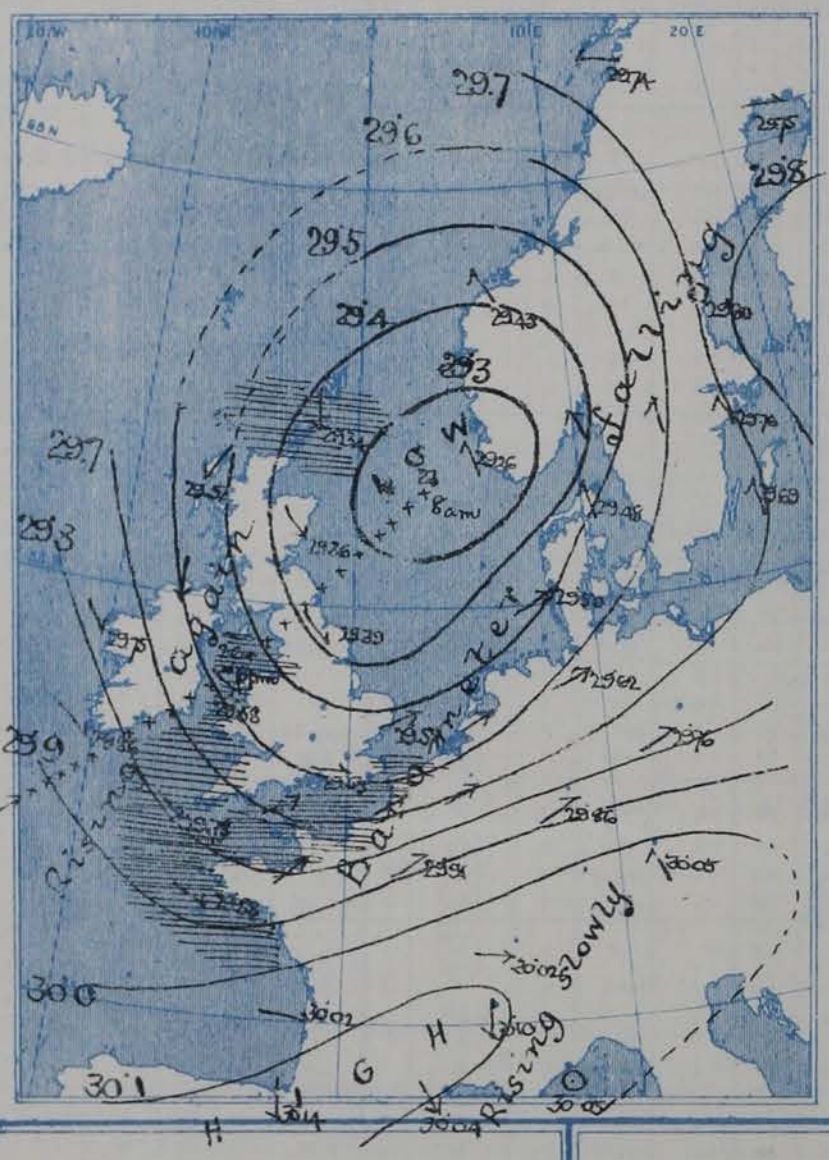
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ➛ : *Force 5 to 7* → : } Calm ⊙

Force 8 to 10 ➛ : *Force 1 to 4* → :

SEA.—Rough : *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

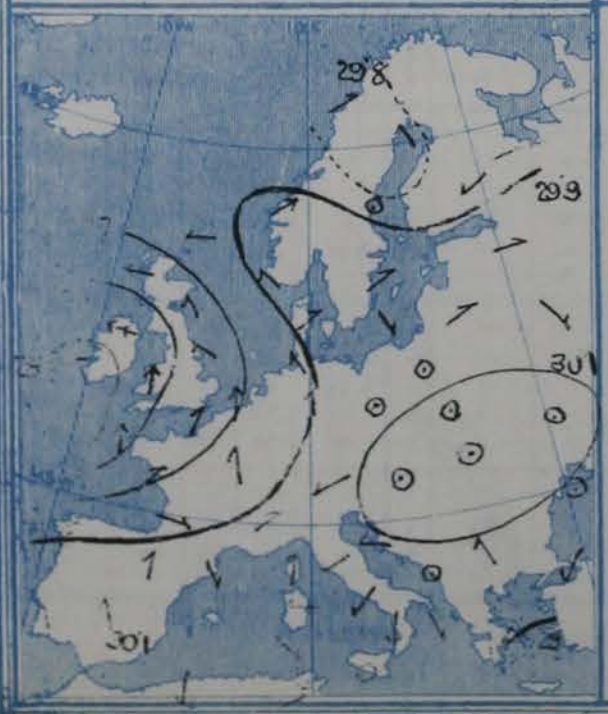
TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

III. BAROMETER AND WIND

Yesterday morning.



IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES

Combined for the month of JULY. *(1871–1900)*

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JULY–AUGUST *(1871–1900.)*

GENERAL SITUATION AT 8 A.M.

PRESSURE

The cyclonic disturbance which was shown in the west yesterday morning, has since travelled northeastwards, and its centre now lies over the northern part of the North Sea where the barom.r has sunk to about 29·2 ins. The highest readings, 30·1 ins. and upwards, are found over the Iberian Peninsular and the SW of France. Gradients are moderate to rather steep. Pressure is increasing again briskly over our Islands and France, falling to the eastward of the North Sea.

WIND

The wind shows a complete circulation around the baric minimum, being Northerly or Northwesterly on our northern and western coasts, Westerly or Southwesterly in the south, and Southerly and Southeasterly over Scandinavia. It is still strong or very fresh over the United Kingdom, and also over Denmark and the north of France.

TEMPERATURE

Temperature has risen quickly over Germany, and a few degrees in Norway and Denmark, fallen in most other localities, and is very low for the season in the North and West of our Islands. The readings range from 75° to 70° over Germany and the south of France, and from 65° at Yarmouth, to about 50° at Bodö and at several of our own northern stations.

WEATHER AND SEA

The weather is in a very changeable state generally, and showers are very prevalent. The sea is rather rough off the South and West coasts of England and at Bamburgh Head, moderate to smooth elsewhere.

During yesterday the thermometer rose to 72° at Spurn Head and Loughborough, and to 74° in London, but remained below 60° in Scotland and the north and west of Ireland. At Paris and Lyons the maximum readings were 87° and 89° respectively. Rain has been very general over our Islands and Scandinavia. At Malin Head as much as 2·36 ins. has fallen, and more than an inch both at Leith and Shields. Very little bright sunshine has been recorded except in the south.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS*

For the 24 hours ending at NOON on 28th July 1902

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
10 SCOTLAND NORTH	None Issued	6 SCOTLAND WEST	None Issued
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	At 7.15 p.m. yesterday to districts 0, 6 and 9 "Hoist North Cone". The South Cone is still up in districts 1 to 5, 7, 8 and 10

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change	Wind.	Weather.	Sea.	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	bc	*	bc, c	72	59	7·9	0·06
Newton Reigny (Penrith)												*					
Bath	29·40	61	S7	0	29·63	+·08	58	55	−7	S3	0	*	—	66	57	4·5	0·61

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Harrogate, up to 6 p.m.	70	49	0, c, 0	3·2	0·64	Worthing	*	*	*	5·9	*
Birmingham, 9 p.m.	67	52	r	4·6	0·61	Llandudno	*	*	*	1·7	*
Lowestoft, up to 6 p.m. ...						Rhyl up to 6 p.m.	*	*	*		*
Hastings	*	*	*	6·4	*	Southport, 9 p.m.	68	53	0, r, 0	2·5	1·06
Eastbourne up to 6 p.m. ...	*	*	*		*	Manchester, 9 p.m. ...					
Brighton	*	*	*		*	Darwen, 9 p.m.					

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 26. VII. 02	Temperature, F. Max. °	Temperature, F. Min. °	Weather.		Rain. Ins.	STATIONS. 25. VII. 02	Temperature, F. at 1 p.m. °	Weather. 1 p.m.	Rain. (measured at 7 a.m.) Ins.
Marseilles	81	61	b.	b.	—	Geneva	77	bc	0·32
Utrecht	70	54	c	o	—	Berne	70	o	0·32
Copenhagen	?	?	c	f	0·08	Lucerne	70	o	0·16
Prague	72	55	o	c	0·08	Lausanne	?	?	0·35
Vienna	63	54	c	f	0·39	Lugano	79	b	0·16
Buda-Pesth ... Not rec'd						Locarno	?	?	0·04
St. Petersburg	64	54	b	b	—				
Rome	89	68	b	b	—				
Malta	97	82	?	c	—				
Madeira (Funchal)	75	63	o	o	—				

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

27. VII., 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	4. 5	11. 59	7. 52
Greenwich	4. 17	12. 6	7. 55
Wick	3. 53	12. 18	8. 43
Valencia	4. 56	12. 47	8. 39

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on MONDAY 28TH JULY 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Temp. Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.75	52	S	2	b	29.56	-.19	59	52	+6	S	2	b	*	–	61	46	*	–
	Hernösand ...	29.52	55	E	4	r	29.35	-.45	55	54	-1	Z	0	r	*	–	59	45	*	0.47
	Stockholm ...	29.51	58	Z	0	f	29.45	-.31	60	59	0	SW	4	0	*	–	63	54	*	0.04
	Wisby	29.53	61	S	6	bc	29.57	-.12	60	56	-2	SW	6	b	*	–	77	52	*	0.04
	Karlstad... ...	29.43	57	SW	2	0	29.38	-.20	54	?	-5	SSW	8	0	*	–	*	*	*	0.63
	Færder (Christiania Fjord)	29.23	57	SSW	6	0	29.29	-.18	57	53	-2	WSW	5	0	4	–	61	54	*	0.24
	Bodö	29.50	57	E	4	bc	29.46	-.29	59	51	+8	SE	2	b	1	–	61	50	*	–
	Christiansund ...	29.23	62	Z	0	0	29.33	-.10	50	49	-7	W	5	r	2	–	63	48	*	0.12
	Skudesnaes ...	29.19	53	S	2	f	29.59	+.33	50	48	-7	NW	6	0	3	0, f	59	46	*	*
BRITISH ISLANDS.	Sumburgh Head	29.46	47	N	4	0	29.66	+.32	49	46	+2	NW	5	0	6	0	52	45	*	0.06
	Stornoway ...	29.72	50	NW	5	d	29.89	+.35	52	49	+2	WNW	2	c	2	opq, d	55	43	2.1	0.15
	Malin Head ...	29.81	55	NW	5	b	29.96	+.37	57	55	+4	W	4	bc	3	cp, b	57	49	*	0.04
	Blacksod Pt. ...	29.92	58	WNW	3	b	30.02	+.27	58	56	+3	WSW	3	cp	2	c, b	60	44	*	0.01
	Valencia... ...	30.00	59	SW	3	op	30.15	+.29	58	56	+2	SW	3	op	4	bc, op	61	52	4.4	0.04
	Roche's Point ...	29.97	60	NNW	2	cp	30.13	+.34	59	56	+3	WNW	2	c	2	bc, cp	?	51	*	0.01
	Parsonstown ...	29.92	58	W	6	0	30.08	+.33	56	54	+2	W	3	c	*	bq, o	62	46	3.5	–
	Donaghadee ...	29.81	54	NNE	3	cp	30.02	+.49	52	51	-3	NW	2	bc	2	–	58	42	*	0.02
	Liverpool Obsy.	29.82	55	W	4	0	30.08	+.56	56	51	+2	W	3	bc	3	–	60	52	*	–
	Holyhead ...	29.84	58	W	3	cp	30.07	+.49	59	56	+6	WSW	2	b	1	c, cp	59	49	*	–
	Pembroke (St. Ann's)	29.92	57	W	6	c	30.12	+.44	57	56	+3	WSW	3	ogmw	3	–	59	53	7.6	–
	Scilly (St. Mary's)...	30.05	59	WNW	5	c	30.20	+.42	58	56	0	W	4	opm	3	c	62	55	6.1	–
	Jersey (St. Aubins)...	30.05	60	WNW	5	bc	30.27	+.42	61	57	0	SW	5	c	4	og, bc	63	56	4.3	–
	Portland Bill ...	29.95	59	WNW	4	b	30.17	+.52	59	57	+1	W	3	c	3	c, b	60	56	*	0.02
	Dungeness ...	29.87	60	W	6	c	30.18	+.53	62	58	+2	WNW	4	bc	3	o, c	63	53	*	–
	Wick	29.61	50	N	5	0	29.82	+.42	52	48	+1	NW	5	c	2	–	56	42	*	0.03
	Nairn	29.67	53	WNW	3	c	29.87	+.42	54	49	+3	W	2	bc	1	–	59	42	*	0.02
	Aberdeen ...	29.63	52	NW	4	bcqp	29.88	+.52	53	47	+5	W	3	bc	1	bc, bcqp	58	42	6.7	0.02
	Leith	29.63	59	SW	3	bc	29.93	+.47	58	52	+7	W	3	c	*	b, bc	65	46	*	0.06
	North Shields ...	29.68	57	Z	0	c	29.97	+.58	57	52	+5	WSW	3	c	2	p, c	60	45	*	0.01
	Spurn Head ...	29.75	56	WSW	4	c	30.00	+.60	53	49	-8	W	5	b	3	–	62	49	*	0.45
	Yarmouth ...	29.75	56	WNW	5	c	30.06	+.55	57	51	-8	WNW	5	bc	3	c	66	53	*	0.17
	Loughborough ...	29.81	62	WNW	4	b	30.09	+.58	58	54	0	WNW	2	bew	*	cq, bc, b	63	46	*	–
	Oxford	29.96	56	W	2	b	30.14	+.56	59	53	0	WSW	3	b	*	p, b	62	49	*	0.02
	London (Brixton)	29.87	59	W	3	0	30.15	+.56	59	54	0	W	2	b	*	op, bw	65	48	1.4	0.03
GERMANY, &c.	The Scaw (Skagen)	29.44	58	W	4	c	29.49	+.01	54	50	-6	W	9	c	4	–	63	52	*	0.35
	Fanö	29.61	57	WSW	6	c	29.82	+.32	55	50	-5	W	6	0	*	–	64	54	*	0.08
	Cuxhaven ...	29.67	64	SW	6	0	29.93	+.31	58	53	-6	W	4	b	*	–	66	55	*	0.16
	The Helder ...	29.74	58	W	5	0	30.00	+.45	59	54	-4	WNW	5	c	4	–	64	54	*	0.24
	Brussels... ...	*	*	*	*	*	30.17	+.39	57	55	-2	WSW	4	c	*	–	71	50	*	–
	Berlin	29.81	71	W	1	b	29.96	+.20	61	54	-11	WSW	5	b	*	–	82	59	*	–
	Frankfürt ...	29.99	67	SW	4	c	30.17	+.31	60	53	-12	W	5	c	*	–	79	57	*	–
	Munich	30.06	62	W	4	0	30.23	+.23	53	53	-21	W	3	r	*	–	77	52	*	0.79
FRANCE.	C. Gris Nez ...	29.59	59	WSW	7	c	30.15	+.44	57	54	-3	W	5	b	5	–	63	55	*	–
	Brest	30.15	62	NW	3	b	30.29	+.41	59	58	0	W	3	bc	4	–	64	57	*	0.03
	Lorient	30.19	61	W	6	bc	30.32	+.41	60	59	0	W	3	bc	3	–	72	57	*	–
	Rochefort ...	30.17	65	NW	5	0	30.32	+.30	61	58	-5	ENE	2	b	*	0	72	57	*	–
	Biarritz	30.30	67	W	3	0	30.39	+.25	65	60	-4	E	1	bc	3	–	69	59	*	–
	Paris	30.00	67	WNW	3	b	30.29	+.38	57	53	-7	SW	2	b	*	–	75	49	*	–
	Belfort	30.01	62	WSW	5	0	30.26	+.24	55	51	-3	WSW	4	c	*	–	80	50	*	0.24
	Lyons	?	70	E	1	c	30.34	+.24	59	50	-7	NNW	1	bc	*	–	78	54	*	–
	Nice	29.99	74	SW	2	c	29.95	-.10	74	68	-1	Z	0	b	1	–	88	64	*	–
	Perpignan ...	30.10	77	W	3	b	30.29	+.25	67	58	-5	NW	3	bc	*	–	84	63	*	–
SPAN. PEN.	Corunna ...																		*	
	Lisbon														*				*	
	Azores (P. Delgada)																		*	

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

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WEATHER CHARTS

FOR Monday, 28th July, 1902

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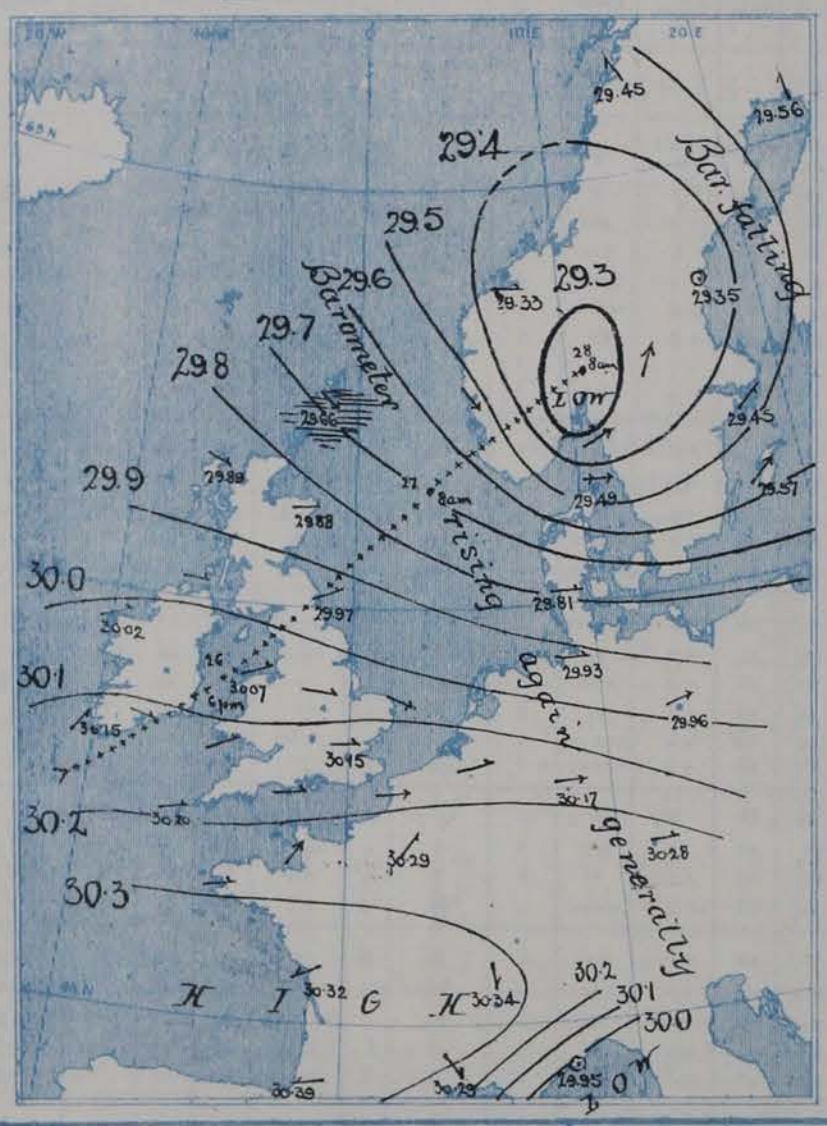
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*



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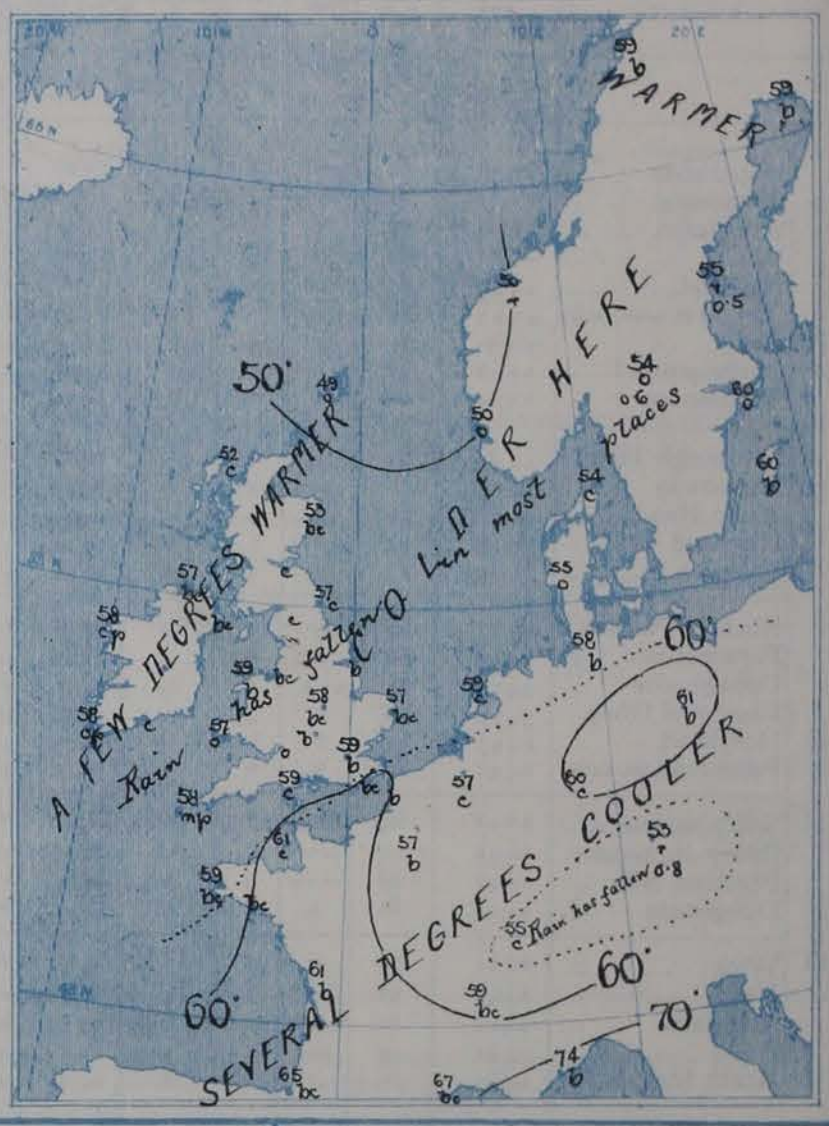
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown, thus—0·6

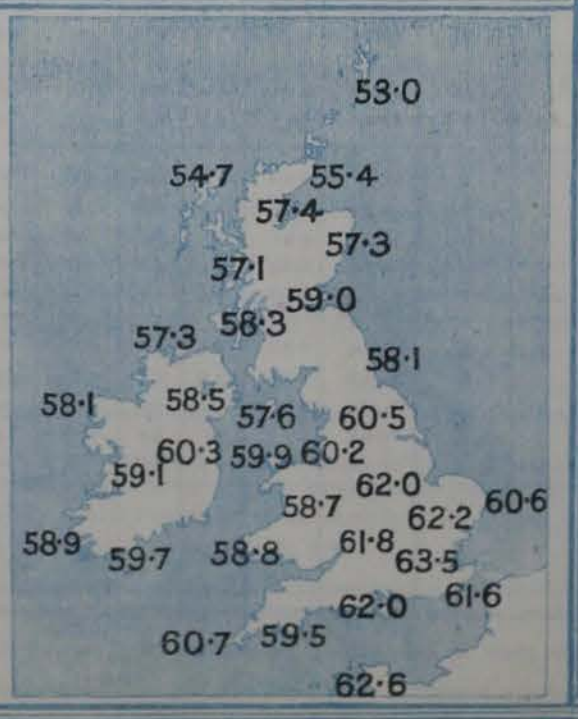


III BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES

Combined for the month of JULY. *(1871-1900)*



V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JULY-AUGUST *(1871-1900)*

GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometric pressure this morning is highest over the Bay of Biscay, France and the English Channel, and lowest over Scandinavia, the readings ranging from 30·39 in. at Biarritz and 30·29 in. at Brest and Paris, to 29·29 in. at Faerder. The depression noticed on the last two days is still found over Scandinavia.

WIND

The wind is now fresh to moderate from N.W. in the north of Scotland, strong to a gale from W. on the eastern shores of the North Sea, and S.W^ly. moderate to a gale in Sweden – S.E^ly. light over Lapland. In England and Ireland it is light from W. with a slight tendency to back again at Valencia. In the south west of France E^ly. airs are reported.

TEMPERATURE

Temperature has risen a little since yesterday except at the eastern stations and in France, where it has fallen. It ranges from 65° at Biarritz, 61° at Berlin and 59° in several parts of England, Ireland and Lapland, to 52° in the north of Scotland and 49° at Sunburgh Head. The values in our Islands are all rather below the average.

WEATHER AND SEA

The weather is fair over the United Kingdom and France, but unsettled in the north of Europe. The sea is rough in the far north – very little disturbed elsewhere.

Strong squally winds from W. and N.W. were felt very generally in our Islands yesterday, and slight showers; rain fell more freely to the eastward of the North Sea. Temperature did not exceed 66° at any of our stations. Bright sunshine was slight except in the west.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The weather is now clearing up in the rear of the northern disturbance, and only a few passing showers are probable, with bright, warm intervals, except in the far west.

FORECASTS*

For the 24 hours ending at NOON on 29th July, 1902

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N.W^ly. winds, moderate; fine, to S.W^ly. less fair, warmer, some showers.
1 SCOTLAND EAST	
2 ENGLAND N.E.	W^ly. to S.W^ly. winds, light; warmer, fine generally, but possibly a few brief showers.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos. 0 and 1.
7 ENGLAND N.W.	Wind backing to S.W; warm, some passing showers.
8 ENGLAND S.W	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	At 7 p.m. yesterday, to districts 0, 6 and 9, 'Lower Cone'.

Note. – The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea.	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	b	*	c	66	51	2.5	0.05
Newton Reigny (Penrith)	29.70	58	W 4	bc	30.00		52	50		SW 2	cg	*	cp	60	45	3.0	0.07
Bath	29.90	59	NW 4	c	30.15	+.52	57	54	-1	W 2	o	*	–	64	46	5.0	0.02

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs	Rainfall. Ins.
Harrogate, up to 6 p.m.	64	51	o, f, c	1.6	0.27	Worthing	*	*	*	0.7	*
Birmingham, 9 p.m.	59	52	c	1.3	0.07	Llandudno up to 6 p.m. ...	*	*	*	2.6	*
Lowestoft, up to 6 p.m. ...						Rhyl up to 6 p.m.	*	*	*	2.7	*
Hastings	*	*	*	1.4	*	Southport, 9 p.m.	61	51	o, c	3.7	–
Eastbourne up to 6 p.m. ...	*	*	*	1.0	*	Manchester, 9 p.m. ...	66	52	ou	4.0	0.10
Brighton	*	*	*	0.61	*	Darwen, 9 p.m.					

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 27. July-/02	Temperature, F. Max. °	Temperature, F. Min. °	Weather.	Rain. Ins.	STATIONS. 26. VII. 02	Temperature, F. at 1 p.m. °	Weather. 1 pm	Rain. (measured at 7 a.m.) Ins.
Obs^ns not yet received.								
Marseilles					Geneva	75	b	–
Utrecht					Berne	81	b	–
Copenhagen					Lucerne	77	b	–
Prague					Lausanne	?	?	–
Vienna					Lugano	82	bc	–
Buda-Pesth					Locarno	?	?	–
St. Petersburg								
Rome								
Malta								
Madeira (Funchal)								

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

28...VII., 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	4. 6	11.59	7. 51
Greenwich	4.18	12. 6	7. 54
Wick	3.55	12.18	8. 41
Valencia	4.57	12.47	8. 38

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on TUESDAY 29TH JULY. 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Temp. Min.	Sunshine. Hours	Rainfall Ins.
SCANDINAVIA.	Haparanda ...	29.46	57	E	2	o	29.39	-.17	52	51	-7	SSE	4	r	*	–	64	45	*	0.16
	Hernösand ...	29.39	55	Z	0	o	29.46	+.11	54	50	-1	N	6	o.	*	–	63	54	*	–
	Stockholm ...	29.50	55	WSW	6	o	29.51	+.06	54	52	-6	WSW	4	o	*	–	63	54	*	0.04
	Wisby	29.66	58	W	8	o	29.62	+.05	54	50	-6	W	8	r	*	–	63	45	*	–
	Karlstad... ...	29.46	53	SW	4	o	29.69	+.31	51	49	-3	WNW	4	o	*	r,o	*	*	*	0.08
	Færder (X'iania Fjord)	29.54	53	WNW	7	o	29.73	+.44	54	47	-3	W	2	bc	4	–	57	50	*	0.08
	Bodö	29.48	55	S	4	b	29.68	+.13	53	50	-6	Z	o	o	o	–	63	50	*	–
	Christiansund ...	29.61	49	W	5	r	29.73	+.40	49	48	-1	W	5	r	3	–	52	46	*	0.16
	Skudesnaes ...	29.83	50	NNW	6	o	29.86	+.27	51	49	+1	W	2	c	2	o	52	48	*	*
BRITISH ISLANDS.	Sumburgh Head	29.78	51	W	3	c	29.75	+.09	50	49	+1	Z	o	o	2	r,c	53	44	*	0.01
	Stornoway ...	29.83	56	SW	4	o	29.84	-.05	52	50	0	W	2	o	2	c,o	64	45	10.4	0.25
	Malin Head ...	29.96	58	SW	6	bc	30.00	+.04	54	53	-3	W	5	op	4	bc	62	50	*	0.22
	Blacksod Pt. ...	30.08	58	SW	5	cp	30.11	+.09	57	55	-1	W	5	opm	3	b,cp	61	53	*	0.01
	Valencia... ...	30.23	59	SW	4	cp	30.25	+.10	59	56	+1	SW	3	c	4	o,cp	61	55	1.2	0.01
	Roche's Point ...	30.19	65	WNW	2	bc	30.22	+.09	59	56	0	W	2	bc	2	c,bc	?	54	*	–
	Parsonstown ...	30.13	60	W	4	o	30.15	+.07	58	55	+2	W	4	c	*	op,o	65	53	4.9	0.03
	Donaghadee ...	30.02	64	W	2	cp	30.03	+.01	57	54	+5	NW	3	cq	2	–	63	52	*	0.11
	Liverpool Obsy.	30.10	60	WSW	3	o	30.08	.00	57	54	+1	W	5	o	4	–	62	56	*	–
	Holyhead ...	30.11	60	SW	3	bc	30.11	+.04	59	57	0	W	3	c	2	cp,bc	60	54	*	–
	Pembroke (St. Ann's)	30.17	58	W	5	bc	30.19	+.07	57	56	0	W	5	cg	4	–	60	55	6.7	–
	Scilly (St. Mary's)...	30.28	61	WSW	3	c	30.29	+.09	59	56	+1	W	4	c	2	cp,c	64	55	3.2	–
	Jersey (St. Aubins)...	30.32	63	W	4	bc	30.31	+.04	60	57	-1	WSW	4	cm	3	c,bc,w	66	56	7.0	–
	Portland Bill ...	30.23	59	W	4	bc	30.28	+.11	58	56	-1	WSW	3	bc	3	c,bc	62	55	*	–
	Dungeness ...	30.20	61	W	6	c	30.20	+.02	62	58	0	W	4	bc	4	bc,c	65	55	*	–
GERMANY, &c.	Wick	29.88	54	NNW	3	c	29.81	-.01	50	48	-2	N	2	c	1	c,r	59	47	*	0.40
	Nairn	29.89	60	W	1	bc	29.84	-.03	54	49	0	NW	2	c	2	–	63	48	*	0.11
	Aberdeen ...	29.93	55	S	2	cp	29.78	-.10	54	48	+1	WNW	6	bcq	4	–	62	51	9.5	0.02
	Leith	29.96	58	W	3	bc	29.90	-.03	61	54	+3	WSW	4	c	*	–	65	52	*	0.03
	North Shields ...	30.00	60	SW	3	c	29.92	-.05	58	54	+1	WSW	3	c	2	cp,c	64	53	*	–
	Spurn Head ...	30.05	60	W	4	bc	30.04	+.04	59	56	+6	SW	5	bc	3	–	64	50	*	–
	Yarmouth ...	30.11	64	SW	1	cm	30.10	+.04	60	55	+3	WSW	3	bc	3	c,cm	65	51	*	–
	Loughborough ...	30.12	64	W	3	bq	30.12	+.03	59	55	+1	W	4	bcq	*	c,bq	69	53	*	–
	Oxford	30.19	60	WSW	3	c	30.18	+.04	60	56	+1	WSW	3	bc	*	c	67	52	*	–
	London (Brixton)	30.16	66	SW	2	bc	30.18	+.03	61	57	+2	WSW	2	c	*	cp,bc	69	50	8.4	–
FRANCE.	The Scaw (Skagen)	29.68	53	W	8	m	29.78	+.29	55	51	+1	WNW	7	bc	2	–	57	52	*	–
	Fanö	30.00	54	W	8	bc	30.00	+.18	55	53	+3	WSW	5	c	*	–	59	54	*	–
	Cuxhaven ...	30.08	57	W	4	c	30.07	+.14	57	55	-1	SW	3	c	*	–	61	50	*	0.16
	The Helder ...	30.15	58	WSW	1	c	30.10	+.10	63	58	+4	W	2	b	2	–	63	54	*	–
	Brussels... ...	*	*	*	*	*	30.24	+.07	58	55	+1	SW	4	o	*	–	68	52	*	0.04
	Berlin	30.11	59	WSW	2	b	30.17	+.21	58	53	-3	WSW	2	o	*	–	68	48	*	0.04
	Frankfürt ...	30.27	60	SW	2	c	30.26	+.09	61	55	+1	WSW	3	b	*	–	70	54	*	–
	Munich	30.32	57	W	3	c	30.38	+.10	59	54	+6	SW	1	c	*	–	66	52	*	0.04
SPAN. PEN.	C. Gris Nez ...	30.24	60	SW	5	o	30.24	+.09	59	57	+2	WSW	5	c	5	–	63	55	*	–
	Brest	30.39	64	W	1	bc	30.33	+.04	58	57	-1	NW	1	bc	1	–	68	57	*	–
	Lorient	30.35	66	W	3	r	30.28	-.04	53	52	-7	NW	2	bc	2	–	72	50	*	–
	Rochefort ...	30.32	66	NW	4	c	30.30	-.02	61	58	0	ENE	1	b	*	bc,c	73	54	*	–
	Biarritz	30.37	68	N	4	b	30.31	-.08	61	58	-4	E	4	b	2	–	72	55	*	–
	Paris	30.31	67	WSW	2	o	30.32	+.03	59	55	+2	WSW	2	c	*	–	70	52	*	–
	Belfort	30.29	62	W	3	b	30.32	+.06	53	50	-2	Z	o	m	*	–	67	48	*	–
	Lyons	30.33	67	N	1	b	30.35	+.01	61	50	+2	NNW	1	b	*	–	73	52	*	–
	Nice	29.99	75	SE	1	b	30.09	+.14	75	64	+1	Z	o	b	o	–	84	64	*	–
	Perpignan ...	30.23	77	N	3	b	30.25	-.04	68	60	+1	SW	2	b	*	–	81	56	*	–
	Corunna ...																		*	
	Lisbon	30.11	74	N	4	b	30.15	+.01	74	65	+4	Z	o	b	*	–	26	66	*	–
	Azores (P. Delgada)	30.10	68	SW	4	b	30.14	+.09	68	65	-3	SW	1	b	3	–	73	66	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR Tuesday, 29th July, 1902

I. BAROMETER, WIND AND SEA. *This Morning*

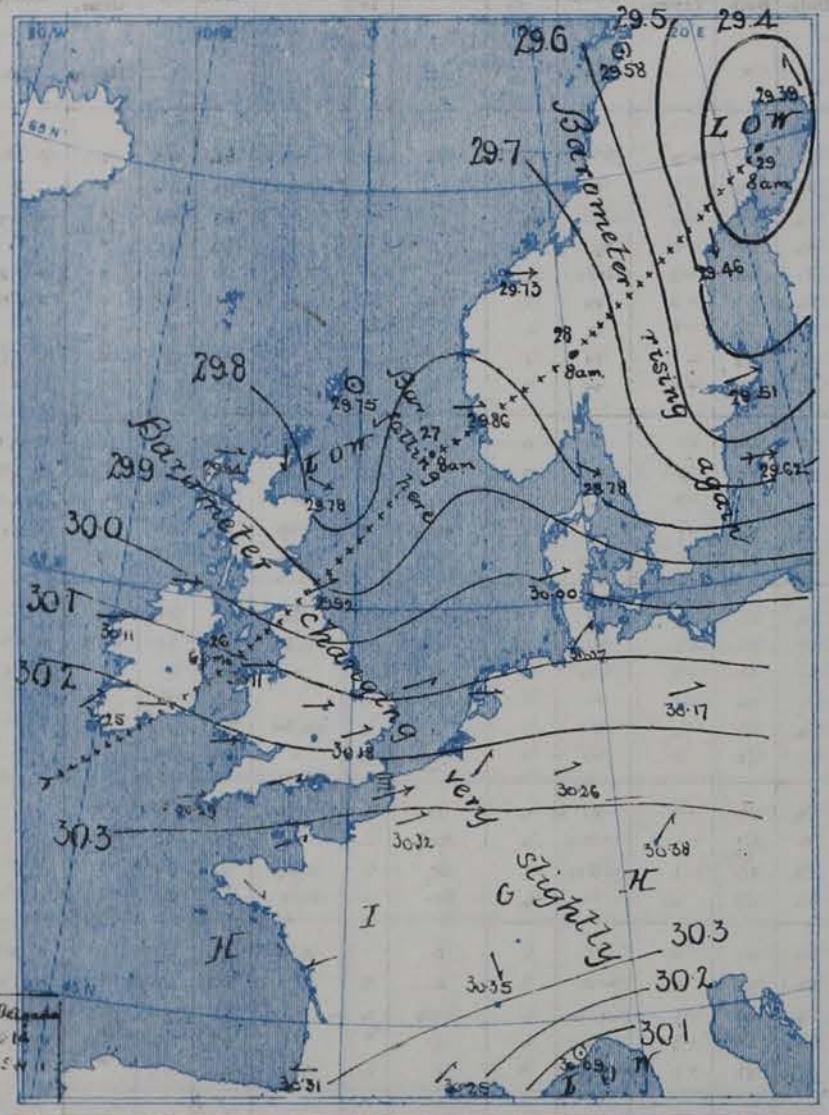
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* → : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* → :

SEA.—Rough : *High*

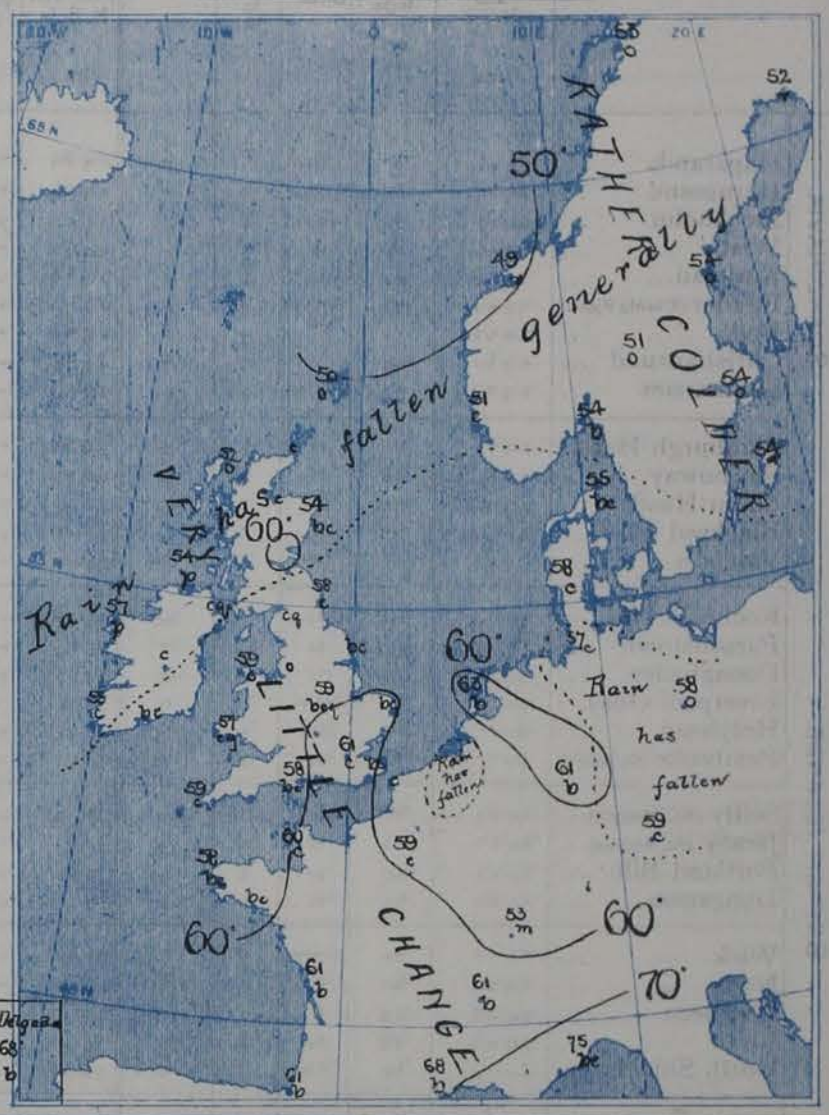


II TEMPERATURE AND WEATHER *This Morning*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



III BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES

Combined for the month of JULY. *(1871-1900)*

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JULY-AUGUST *(1871-1900)*

GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometric pressure is now highest over the Bay of Biscay, France and South Germany, lowest over the northern half of the Gulf of Bothnia and in a secondary disturbance off the north-east of Scotland. This morning's readings range from 30·38 ins. at Munich, 30·32 ins. at Paris and at Brest, to 29·39 ins. at Haparanda and 29·78 ins. at Aberdeen.

WIND TEMPERATURE WEATHER AND SEA

The wind is now W^ly. over the southern half of Scandinavia, and blows a gale at Wisby; it is N^ly. strong at Hernösand, and S.S.E^ly. light at Haparanda. In our Islands it is generally W^ly. and blows strongly from W.N.W. at Aberdeen. In the south-west of France it is E^ly. Temperature shows no great change beyond a fall in Sweden. In our Islands it ranges from 62° at Dungeness and 59° in the south of Ireland to 50° at Wick and Lumburgh Head. The northern stations are still a little cooler than the average, but the southern show no important deficit. The weather is fair in our Islands and France; in Sweden it is dull generally and rainy locally. The sea is moderate at some western stations and Dungeness, slight or smooth elsewhere.

During yesterday the highest temperatures recorded in our Islands were 69° at London and Loughborough. The amount of bright sunshine exceeded 10 hours at our northwestern stations; it was considerable over England, but slight on our extreme south-western coasts. Rain fell at the western and northern ports and in Germany.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

At present there is no indication of any important change of weather beyond a rise in temperature, especially during the day-time.

FORECASTS*

For the 24 hours ending at NOON on 30th July, 1902

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	N.W^ly. to S.W^ly. winds, moderate to light; fine generally.	6 SCOTLAND WEST	Same as Nos. 0 and 1.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	W^ly. and S.W^ly. breezes, light; fine generally, Rather warm in daytime.	7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	W^ly. and S.W^ly. breezes, light to moderate; a few passing showers, but fair as a whole.
		WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea.	Weather.	Temperature Max. °	Temperature Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	ow	*	b,c	70	52	8·9	–
Newton Reigny (Penrith)	30·04	56	SW 1	0	29·99	–·01	54	51	+2	W 4	cq	*	cp	62	52	7·0	0·03
Bath	30·20	64	W 3	bc	30·20	+·05	60	56	+3	W 2	b	*	–	66	55	7·8	0·09

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs	Rainfall. Ins.
Harrogate, up to 6 p.m.	64	44	c,o,c	10·5	0·01	Worthing	*	*	*	7·5	*
Birmingham, 9 p.m.	65	48	b	8·7	–	Llandudno	*	*	*	11·3	*
Lowestoft, up to 6 p.m. ...	68	47	c	9·2	0·25	Rhyl up to 6 p.m.	*	*	*	6·3	*
Hastings up to 6 p.m	*	*	*	9·0	*	Southport, 9 p.m.	62	53	c,bc	10·2	–
Eastbourne up to 6 p.m. ...	*	*	*	8·7	*	Manchester, 9 p.m. ...	68	48	o	7·3	0·05
Brighton up to 6 p.m	*	*	*	6·0	*	Darwen, 9 p.m.	61	45	bc,ou,w	9·3	–

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 28. VII. 02	Temperature, F. Max. °	Temperature, F. Min. °	Weather.		Rain. Ins.	STATIONS. 27. VII. 02 Information not rec'd	Temperature, F. at 1 p.m. °	Weather.	Rain. (measured at 7 a.m.) Ins.
Marseilles	84	66	o	o	–	Geneva			
Utrecht	68	52	r	c	0·08	Berne			
Copenhagen	72	54	o	o	0·12	Lucerne			
Prague	75	54	o	o	0·79	Lausanne			
Vienna	81	61	bc	r	0·04	Lugano			
Buda-Pesth	88	66	b	o	–	Locarno			
St. Petersburg	66	57	r	c	–				
Rome	93	72	b	b	–				
Malta	88	81	?	bc	–				
Madeira (Funchal) Not Rec'd.									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

29. VII. ....., 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	4. 7	11. 59	7. 50
Greenwich	4. 20	12. 6	7. 52
Wick	3. 57	12. 18	8. 39
Valencia	4. 58	12. 47	8. 37

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† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on WEDNESDAY 30TH JULY 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp Max.	Temp Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.55	54	SW	2	o	29.63	+.24	52	50	0	NE	2	o	*	–	64	52	*	–
	Hernösand ...	29.60	55	NW	4	o	29.68	+.22	52	50	-2	Z	o	†	*	–	61	52	*	0.04
	Stockholm ...	29.73	55	SW	2	o	29.75	+.24	54	53	0	SW	2	†	*	–	59	50	*	0.08
	Wisby	29.83	57	WNW	4	b	29.80	+.18	57	53	+3	WSW	4	bc	*	–	63	46	*	0.16
	Karlstad... ...	29.75	56	WSW	2	b	29.76	+.07	51	50	0	NNE	2	†	*	–	*	*	*	0.20
	Færder (X'iania Fjord)	29.71	57	SSW	5	o	29.74	+.01	52	49	-2	NE	2	†	2	–	61	52	*	0.08
	Bodö	29.71	50	SW	4	c	29.80	+.22	50	48	-3	W	2	o	2	–	54	48	*	–
	Christiansund ...	29.82	50	W	3	c	29.88	+.15	51	46	+2	SW	1	c	1	–	51	46	*	0.08
	Skudesnaes ...	29.76	50	NNW	4	o	29.86	.00	50	47	-1	NNW	4	b	2	+.0	55	46	*	*
BRITISH ISLANDS.	Sumburgh Head	29.78	51	WSW	2	bc	29.85	+.10	51	47	+1	Z	o	bc	2	c,bc	56	42	*	0.01
	Stornoway ...	29.91	52	NW	4	o	29.92	+.08	49	48	-3	NW	5	od	5	o	59	44	7.0	0.10
	Malin Head ...	30.04	56	W	6	bc	30.05	+.05	55	52	+1	WNW	6	bc	5	bc	58	50	*	0.05
	Blacksod Pt. ...	30.16	58	WNW	3	c	30.17	+.06	57	53	0	NW	3	c	2	bc,c	61	51	*	0.01
	Valencia... ...	30.26	61	WSW	3	bc	30.21	-.04	57	56	-2	Z	o	og	4	c,bc	62	53	10.5	0.01
	Roche's Point ...	30.22	63	NW	2	c	30.21	-.01	57	55	-2	SW	1	o	1	c	?66	53	*	–
	Parsonstown ...	30.16	62	W	5	cq	30.19	+.04	55	52	-3	W	2	o	*	cq	65	47	7.4	0.03
	Donaghadee ...	30.07	58	NW	3	c	30.06	+.03	56	53	-1	NW	3	bcp	3	–	63	46	*	0.01
	Liverpool Obsy.	30.10	59	W	4	o	30.12	+.04	55	53	-2	W	4	b	3	–	61	53	*	0.04
	Holyhead ...	30.12	58	WSW	3	cp	30.13	+.02	57	54	-2	WNW	4	c	3	cp	62	52	*	–
	Pembroke (St. Ann's)	30.18	58	W	6	bc	30.17	-.02	57	55	0	NW	2	cg	2	–	60	54	7.3	–
	Scilly (St. Mary's)...	30.28	62	WSW	3	c	30.23	-.06	59	56	0	SSW	1	c	2	bc,c	64	56	11.3	–
	Jersey (St. Aubins)...	30.30	62	WNW	4	bc	30.27	-.04	60	57	0	W	3	c	3	bc,m	65	54	8.7	–
	Portland Bill ...	30.22	60	W	3	bc	30.21	-.07	58	56	0	WNW	2	c	2	c,bc	63	56	*	–
	Dungeness ...	30.16	61	W	6	b	30.18	-.02	61	57	-1	W	3	b	1	b	66	52	*	–
	Wick	29.84	49	N	4	†	29.90	+.09	48	46	-2	NW	1	c	1	–	58	44	*	0.35
	Nairn	29.86	55	W	3	bc	29.93	+.09	51	48	-3	W	1	c	1	–	62	45	*	0.03
	Aberdeen ...	29.88	52	SSW	2	c	29.92	+.14	52	48	-2	NW	3	cp	1	bc,p,c	60	46	7.5	0.18
	Leith	29.93	59	W	3	c	29.96	+.06	57	52	-4	WSW	3	c	*	–	65	49	*	–
	North Shields ...	29.95	62	W	3	bc	29.99	+.07	58	53	0	W	3	c	2	bc,p,bc	65	47	*	–
	Spurn Head ...	30.05	62	WSW	5	c	30.07	+.03	57	54	-2	WSW	4	bc	3	–	63	52	*	–
	Yarmouth ...	30.07	64	W	2	bcm	30.11	+.01	60	54	0	NW	4	bc	3	c,bcm	66	53	*	–
	Loughborough ...	30.12	57	W	2	c	30.14	+.02	57	53	-2	W	3	cw	*	bc,q,cp	67	49	*	0.04
	Oxford	30.16	58	WSW	3	bc	30.17	-.01	58	56	-2	WSW	2	bc	*	c,bc	65	52	*	–
	London (Brixton)	30.15	65	W	3	bc	30.16	-.02	60	55	-1	W	1	bc	*	o,bc	71	50	6.4	–
GERMANY, &c.	The Scaw (Skagen)	29.77	55	SW	2	o	29.71	-.07	55	52	0	W	2	c	o	–	61	50	*	0.32
	Fanö	29.91	55	W	5	c	29.97	-.03	56	51	-2	W	6	bc	*	–	63	54	*	0.04
	Cuxhaven ...	30.02	58	W	3	c	30.02	-.05	57	54	0	W	1	c	*	c,tlr	63	54	*	0.51
	The Helder ...	30.08	62	W	2	c	30.09	-.01	61	56	-2	WNW	2	bc	2	–	64	59	*	–
	Brussels... ...	*	*	*	*	*	30.19	-.05	57	55	-1	SSW	3	c	*	–	67	51	*	–
	Berlin	30.09	63	WSW	2	o	30.09	-.08	62	57	+4	W	2	c	*	–	72	55	*	0.08
	Frankfürt ...	30.18	62	N	2	b	30.19	-.07	62	55	+1	SW	2	b	*	–	73	54	*	–
	Munich	30.30	59	W	1	b	30.28	-.10	61	55	+2	SW	3	b	*	–	68	48	*	–
FRANCE.	C. Gris Nez ...	30.20	60	SW	5	c	30.20	-.04	59	57	0	SW	4	b	2	–	63	55	*	–
	Brest	30.34	64	NNW	1	b	30.29	-.04	54	52	-4	NE	1	c	2	–	68	52	*	–
	Lorient	30.29	54	W	3	b	30.26	-.02	54	53	+1	ENE	2	b	2	–	72	52	*	–
	Rochefort ...	30.23	68	WNW	4	b	30.19	-.11	62	58	+1	E	3	b	*	b	73	57	*	–
	Biarritz	30.25	70	NNE	4	b	30.19	-.12	67	64	+6	Z	o	b	1	–	79	61	*	–
	Paris	30.25	68	W	2	b	30.27	-.05	59	56	0	SSW	1	b	*	–	75	49	*	–
	Belfort	30.19	67	WSW	4	c	30.23	-.09	57	53	+4	W	2	m	*	–	73	49	*	–
	Lyons	30.23	71	NE	1	b	30.26	-.09	61	52	0	N	1	b	*	–	77	54	*	–
	Nice	30.13	73	SW	4	b	30.14	+.05	75	62	0	Z	o	b	o	–	84	63	*	–
	Perpignan ...	30.15	79	SE	1	b	30.19	-.06	69	63	+1	SW	2	b	*	–	87	58	*	–
SPAN. PEN.	Corunna ...																		*	
	Lisbon	30.14	77	NNW	4	b	30.12	-.03	75	62	+1	NNE	2	b	*	–	90	68	*	–
	Azores (P. Delgada)	30.23	66	NW	2	b	30.23	+.09	68	62	0	Z	o	b	2	–	78	63	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR Wednesday, 30th July, 1902

I. BAROMETER, WIND AND SEA This Morning

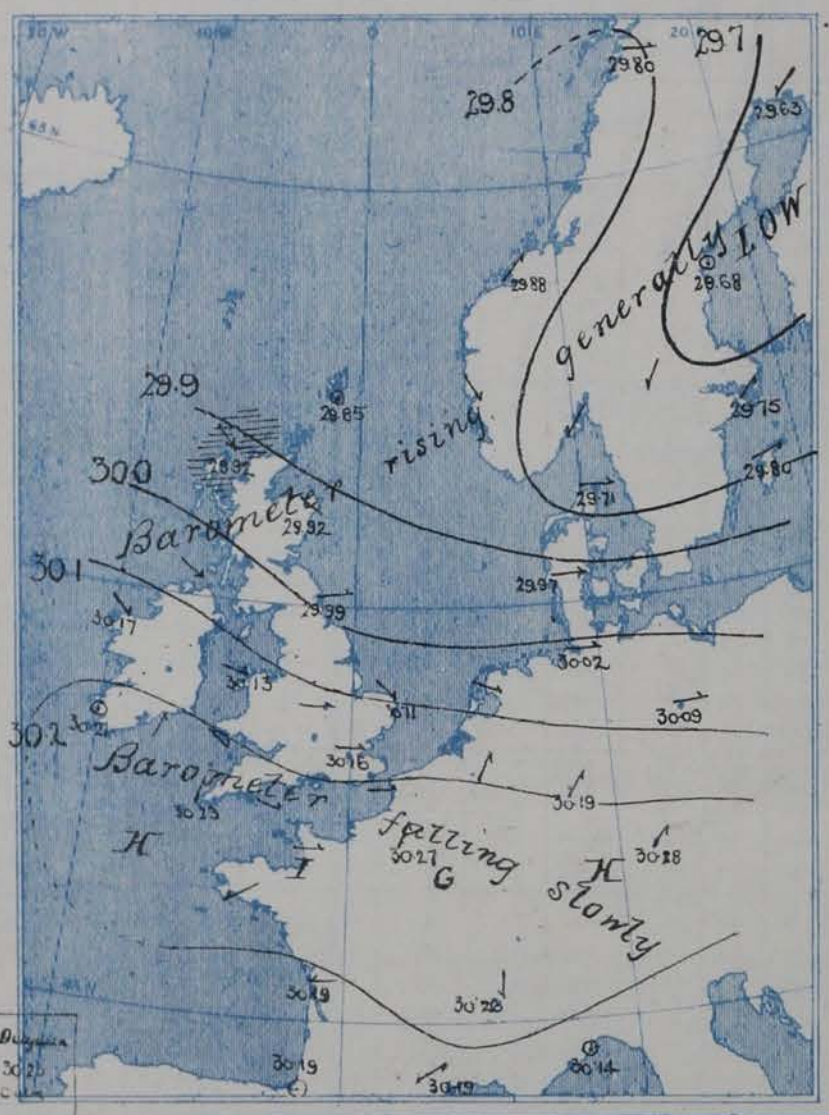
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 : *Force 5 to 7* : } Calm ⊙

Force 8 to 10 : *Force 1 to 4* : }

SEA.—Rough : *High*



II TEMPERATURE AND WEATHER This Morning

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

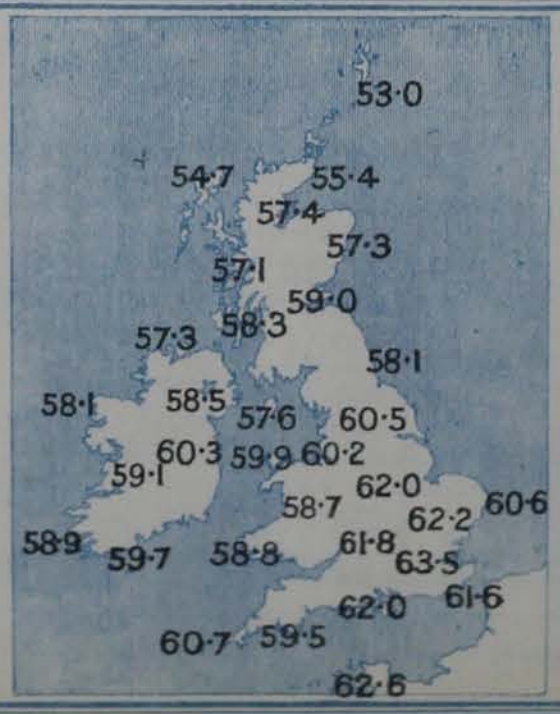
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

III BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES

Combined for the month of JULY. *(1871-1900)*



V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JULY-AUGUST *(1871-1900.)*

GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometric pressure is still highest over the Bay of Biscay, France and South Germany, and lowest over the Gulf of Bothnia, but in the former region it is now giving way, while in the latter it is increasing. This morning's readings range from 30·28 ins. at Munich, 30·27 ins. at Paris and 30·21 ins. at Valencia, to 29·63 ins. at Haparanda, 29·68 ins. at Hernösand, on the one hand, and to 30·19 ins. at Biarritz on the other.

WIND TEMPERATURE WEATHER AND SEA

Temperature has gone down as a whole. It ranges from 75° at Nice, 67° at Biarritz and 60° in London, to 57° at Wisby, 52° at Haparanda and 48° at Wick. In our Islands the readings are all rather below the average, but especially in the North. The wind in our Islands is mainly W^ly., moderate at the northern stations, light and variable in the south. Over Germany also it is W^ly. and in the south-west of France, E^ly. The weather, though fair in many places (especially over France and Germany), is rather cloudy in our Islands and in several places showery. In Sweden it is dull and rainy. The sea is rather rough off our extreme north-west coasts, slight to moderate elsewhere.

During yesterday temperature attained a maximum of 71° in London, 72° at Berlin, 75° at Paris and 79° at Biarritz. Some more rain fell in Ireland, Scotland and Germany (most at Wick and Cuxhaven), and bright sunshine varied from about 11 hours at several of our southwestern and southern stations, to only 1 hour at Southport and 2·7 hours at Llandudno.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A considerable change of weather is apparently coming on, lighter and more variable winds being probable (some E^ly.); local thunder showers and close weather are also indicated.

FORECASTS*

For the 24 hours ending at NOON on 31st. July, 1902

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	W^ly. breezes, falling light and becoming variable in direction; slight showers, but fair as a whole.	6 SCOTLAND WEST 7 ENGLAND N.W.	Same as Nos. 0 to 2.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	Variable airs; weather becoming unstable and tending to local thunderstorms.	8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	Same as Nos. 3 to 5
		WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea.	Weather.	Temperature Max. °	Temperature Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	bc	*	bc	71	53	6·3	–
Newton Reigny (Penrith)	30·02	57	WSW4	bc	30·05	+06	52	47	−2	W 3	cp	*	o, cp	61	48	8·5	0·02
Bath	30·19	63	W 3	bc	30·17	−·03	59	55	−1	W 1	o	*	–	66	55	8·5	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs	Rainfall. Ins.
Harrogate, up to 6 p.m.	63	53	r, c	3·9	0·12	Worthing	*	*	*	6·3	*
Birmingham, 9 p.m.	64	52	c	4·8	0·03	Llandudno	*	*	*	2·7	*
Lowestoft, up to 6 p.m. ...	67	50	c	5·8	–	Rhyl up to 6 p.m.	*	*	*	3·5	*
Hastings	*	*	*	8·5	*	Southport, 9 p.m.	61	56	op	1·3	0·01
Eastbourne up to 6 p.m. ...	*	*	*	11·0	*	Manchester, 9 p.m. ...	68	54	or, cu	0·8	0·01
Brighton up to 6 p.m.	*	*	*	8·1	*	Darwen, 9 p.m.	58	52	ou	1·2	0·12

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 29. VII. 02	Temperature, F. Max. °	Temperature, F. Min. °	Weather.		Rain. Ins.	STATIONS. 28. VII. 02	Temperature, F. at 1 p.m. °	Weather. 1 pm	Rain (measured at 7 a.m.) Ins.
Marseilles	82	54	b	b	—	Geneva	70	b	0·08
Utrecht	64	55	o	o	—	Berne	66	bc	0·08
Copenhagen	63	52	c	o	—	Lucerne	68	o	0·39
Prague	70	55	o	b	—	Lausanne	?	?	0·08
Vienna	75	55	b	o	—	Lugano	82	b	—
Buda-Pesth	77	59	o	b	—	Locarno	?	?	1·78
St. Petersburg	?	?	b	b	0·04				
Rome	91	72	bc	b	—				
Malta	88	79	?	bc	—				
Madeira (Funchal)	75	61	b	bc	—				

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

30....VII...., 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	4·8	11.59	7.49
Greenwich	4.21	12.6	7.51
Wick	3.59	12.18	8.37
Valencia	4.59	12.47	8.36

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DAILY WEATHER REPORT

for 8 a.m. on THURSDAY 31ST JULY 1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Force (0 to 12.)	Weather.	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday.	Wind. Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Temp. Max.	Min.	Sunshine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.75	54	N	2	b	29.76	+.13	54	53	+2	N	4	o	*	–	63	52	*	–
	Hernösand ...	29.76	53	Z	o	o	29.78	+.10	59	52	+7	N	2	o	*	–	59	50	*	0.20
	Stockholm ...	29.76	56	Z	o	c	29.78	+.03	58	54	+4	SW	2	b	*	–	61	48	*	0.08
	Wisby	29.79	56	W	4	b	29.88	+.08	54	51	−3	W	4	c	*	–	61	48	*	–
	Karlstad... ...	29.78	55	SW	2	o	29.82	+.06	53	50	+2	W	2	bc	*	–	*	*	*	0.04
	Færder (X'iania Fjord)	29.80	57	W	1	c	29.83	+.09	54	51	+2	N	2	c	2	–	59	52	*	0.04
	Bodö	29.87	51	WNW	2	c	29.89	+.09	50	46	0	SSW	2	o	2	–	54	48	*	–
	Christiansund ...	29.92	50	W	2	bc	29.93	+.05	48	45	−3	W	2	†	2	–	54	45	*	–
	Skudesnaes ...	29.92	51	NNW	4	bc	29.94	+.08	50	46	0	NNW	6	c	2	b,bc	55	46	*	1
BRITISH ISLANDS.	Sumburgh Head	29.93	51	NE	2	c	30.00	+.15	50	49	−1	WNW	2	o	2	bc,c	54	44	*	–
	Stornoway ...	30.01	52	N	4	†	30.14	+.22	51	48	+2	NE	1	o	1	o,†	57	46	7.1	0.06
	Malin Head ...	30.08	55	NW	4	bc	30.14	+.09	52	49	−3	N	4	o	3	bc	56	49	*	0.02
	Blacksod Pt. ...	30.16	56	NW	3	c	30.18	+.01	55	51	−2	NNW	2	bc	2	c	60	50	*	–
	Valencia... ...	30.16	59	NNW	2	c	30.18	−.03	55	52	−2	NNE	1	o	3	cp,c	59	48	0.1	0.02
	Roche's Point ...	30.15	58	W	1	o	30.15	−.06	57	53	0	N	2	b	1	†,o	61	51	*	0.22
	Parsonstown ...	30.12	58	W	2	†	30.17	−.02	51	49	−4	NW	1	o	*	cp,†	62	44	4.9	0.01
	Donaghadee ...	30.09	54	NNE	2	ogp	30.14	+.08	52	50	−4	NW	2	o	2	–	62	46	*	0.14
	Liverpool Obsy.	30.10	56	W	3	o	30.12	.00	54	50	−1	NW	2	o	2	op,o	59	52	*	–
	Holyhead ...	30.11	58	WSW	2	op	30.13	.00	53	51	−4	N	2	o	1	c,op	61	51	*	0.01
	Pembroke (St. Ann's)	30.13	56	W	3	c	30.10	−.07	58	55	+1	N	2	bcw	2	–	59	52	1.1	–
	Scilly (St. Mary's)...	30.14	59	ENE	3	o	30.11	−.12	59	56	0	NNE	1	c	0	†,o	63	56	1.4	–
	Jersey (St. Aubins)...	30.17	64	NW	3	og	30.09	−.18	58	56	−2	ENE	3	og	3	bc,og,p	69	56	7.3	0.16
	Portland Bill ...	30.15	59	WSW	1	o	30.11	−.10	57	54	−1	NNE	1	bc	1	c,o	62	50	*	0.07
	Dungeness ...	30.13	62	WSW	4	cg	30.09	−.09	56	54	−5	NNW	2	rg	1	cg,c	65	53	*	0.02
	Wick	29.97	56	N	1	b	30.09	+.19	53	49	+5	N	1	c	1	–	59	44	*	0.03
	Nairn	29.99	53	SW	1	o	30.11	+.18	52	50	+1	W	1	c	1	–	57	45	*	0.06
	Aberdeen ...	29.98	51	WSW	1	cp	30.10	+.18	52	49	0	WNW	2	c	1	ot+hp,cp	58	43	3.5	0.17
	Leith	29.97	60	W	3	c	30.10	+.14	54	50	−3	ENE	1	c	*	–	67	49	*	0.01
	North Shields ...	29.99	62	W	3	†	30.09	+.10	52	50	−6	NW	3	bc	2	cp,†	63	45	*	–
	Spurn Head ...	30.03	59	W	4	c	30.08	+.01	55	53	−2	NW	3	b	2	–	64	50	*	–
	Yarmouth ...	30.06	64	Z	o	c	30.04	−.07	59	54	−1	NNW	2	bcm	2	bc,c	66	52	*	–
	Loughborough ...	30.10	59	W	2	o	30.11	−.03	55	52	−2	WNW	2	bcmw	*	c,om,cm	64	49	*	–
	Oxford	30.12	56	WSW	2	o	30.11	−.06	54	51	−4	NW	1	o	*	bc,o,ot	64	51	*	–
	London (Brixton)	30.12	62	W	1	o	30.10	−.06	57	52	−3	W	1	o	*	o,ot	67	53	2.8	0.04
GERMANY, &c.	The Scaw (Skagen)	29.86	54	WNW	4	c	29.87	+.16	54	51	−1	SW	2	c	0	–	59	48	*	–
	Fanö	29.99	54	W	4	b	29.97	.00	53	50	−3	WNW	4	†	*	–	59	50	*	0.16
	Cuxhaven ...	30.06	59	W	3	c	30.00	−.02	54	52	−3	SW	2	o	*	–	61	54	*	0.12
	The Helder ...	30.05	60	WSW	2	o	30.03	−.06	60	55	−1	NNW	2	c	1	–	66	57	*	–
	Brussels... ...	*	*	*	*	*	30.06	−.13	59	54	+2	NNE	1	o	*	–	70	53	*	–
	Berlin	30.09	62	Z	0	c	30.06	−.03	56	54	−6	W	2	†	*	–	68	55	*	0.12
	Frankfürt ...	30.13	63	W	2	c	30.05	−.14	62	56	0	NNE	2	c	*	–	73	55	*	–
	Munich	30.22	62	E	1	b	30.10	−.18	63	59	+2	E	2	bc	*	–	72	50	*	–
FRANCE.	C. Gris Nez ...	30.04	60	SW	4	o	30.09	−.11	57	54	−2	N	3	o	3	–	66	55	*	–
	Brest	30.16	64	NNW	1	bc	30.09	−.20	56	55	+2	NE	1	c	1	–	68	52	*	–
	Lorient	30.08	72	W	2	bc	30.01	−.25	59	59	+5	NE	4	bc	2	–	79	54	*	–
	Rochefort ...	30.03	73	NW	3	b	29.96	−.23	66	65	+4	WSW	3	bc	*	b	84	57	*	–
	Biarritz	30.02	74	NE	1	b	30.09	−.10	68	66	+1	W	4	o	2	–	88	66	*	–
	Paris	30.15	69	NE	2	c	30.03	−.24	59	55	0	N	3	bc	*	–	75	54	*	–
	Belfort	30.10	70	W	4	b	30.01	−.22	58	55	+1	NE	2	m	*	–	76	51	*	–
	Lyons	30.11	76	ESE	1	b	30.03	−.23	71	55	+10	SSW	1	b	*	–	83	58	*	–
	Nice	30.10	75	WSW	2	b	?	?	74	64	−1	E	1	b	1	–	84	66	*	–
	Perpignan ...	30.08	76	E	2	b	30.04	−.15	68	66	−1	SW	2	o	*	–	82	60	*	–
SPAN. PEN.	Corunna ...																		*	
	Lisbon														*				*	
	Azores (P. Delgada)																		*	

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR Thursday, 31st July, 1902

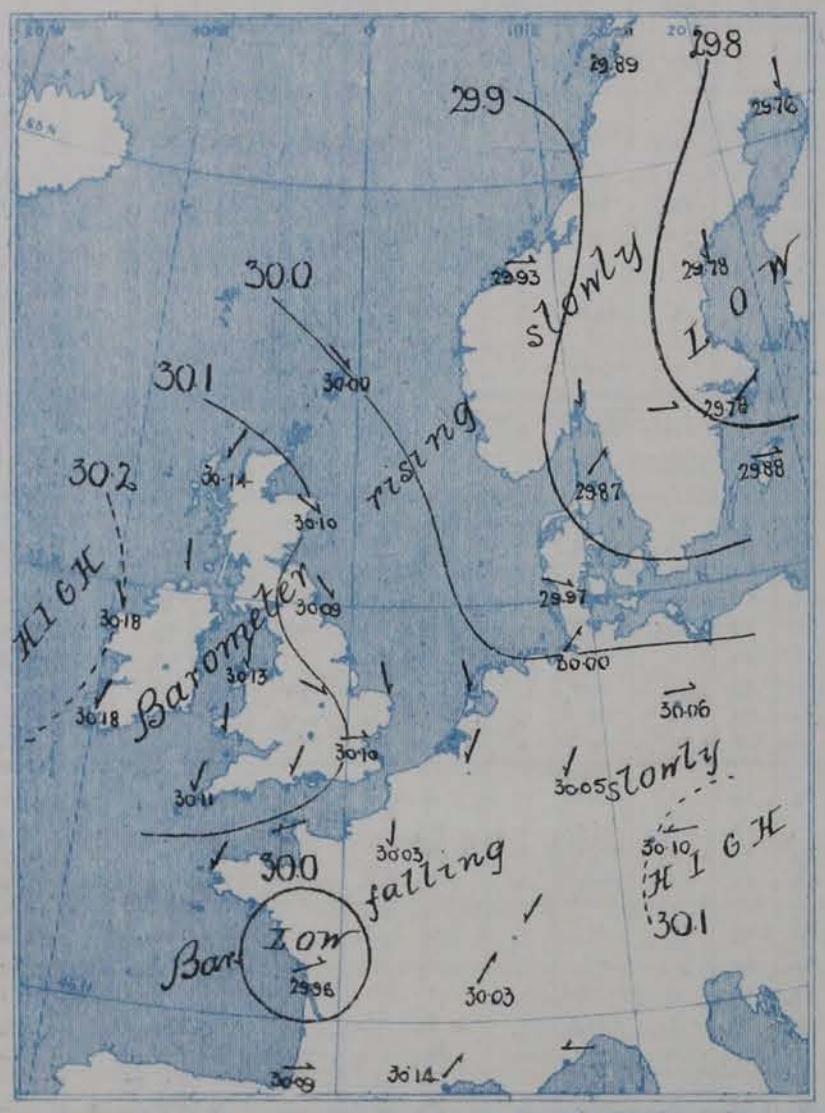
I BAROMETER, WIND AND SEA This Morning

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ; *Force 8 to 10* ; *Force 5 to 7* ; *Force 1 to 4* ; Calm

SEA —Rough ; *High*

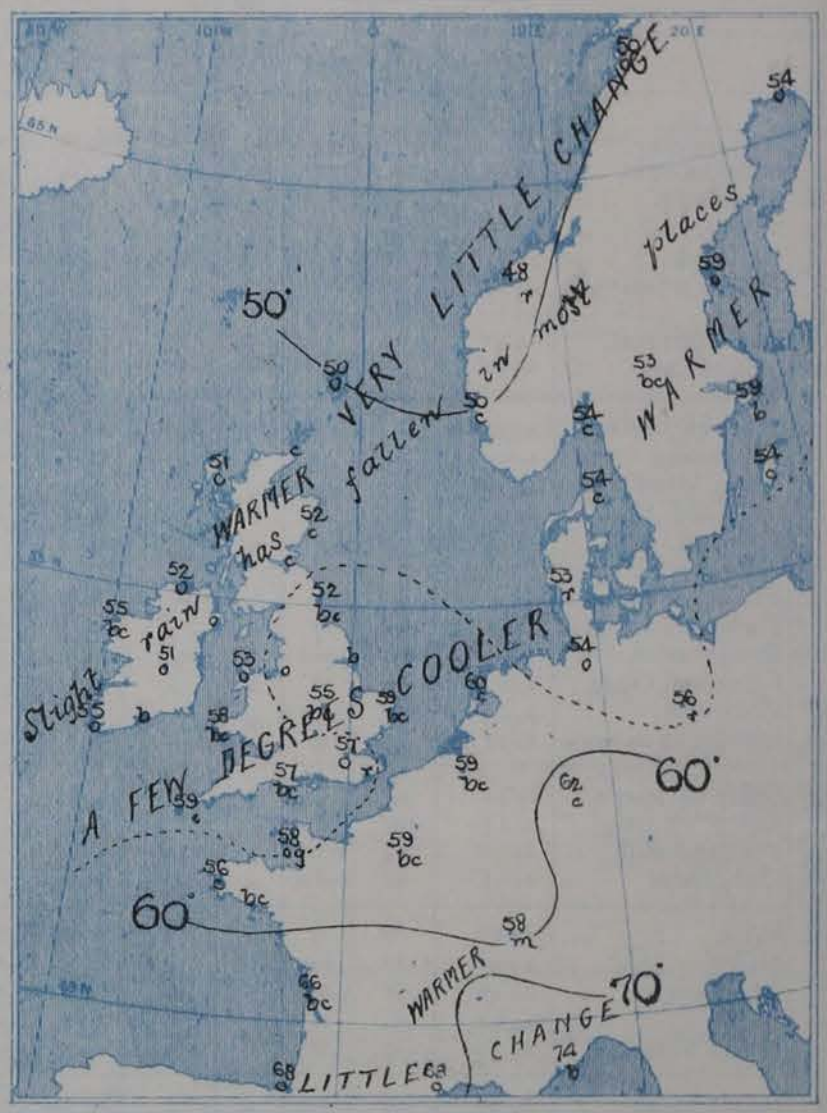


II TEMPERATURE AND WEATHER This Morning

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale (See P. 4)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

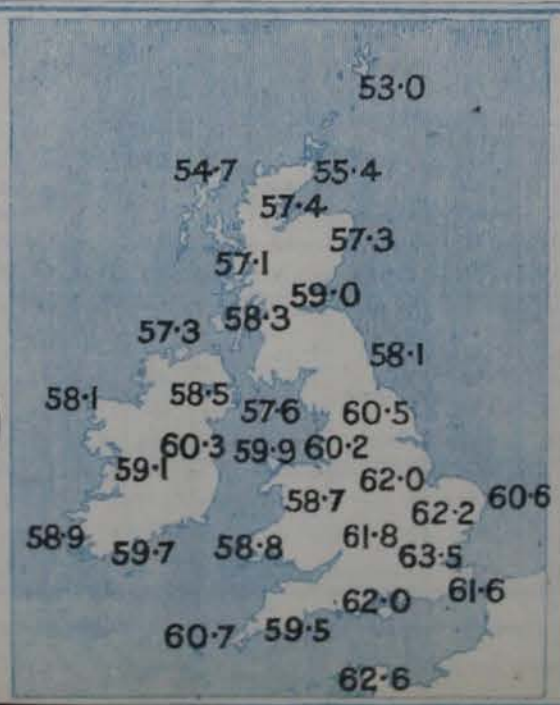


III BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES

Combined for the month of JULY. *(1871-1900)*



V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JULY - AUGUST *(1871 - 1900)*

GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer has continued to rise over the northern, and to fall over the southern parts of our area, with the result that this morning the readings range from 30·18 ins. on the west coast of Ireland, to 29·78 ins. in the east of Sweden, and 29·96 ins. at Rochefort. In south Germany the readings exceed 30·1 ins.

WIND TEMPERATURE WEATHER AND SEA

The wind has become N^ly. or N.E^ly. all over France and the Channel, and N^ly. on our western coasts, but is N.W^ly. in the north-east and is light very generally. To the eastward of the North Sea it is more variable in direction and stronger in force. Temperature is changing but little and irregularly. Over the United Kingdom it varies from 58° at Pembroke and 59° at Scilly and Yarmouth to 50° at Sunburgh Head, and is rather below the average everywhere. The weather in our Islands is fair, except at Dungeness. In France it is more variable, with rain at La Hève; in Scandinavia it is dull, with rain at Christiansund. The sea is smooth.

During yesterday the maximum temperature did not touch 70° at any of our own stations, though at Jersey it reached 69°. In Scotland it was below 60°. Bright sunshine varied greatly in amount from 10 hours at Harrogate to 0·1 hour at Valencia. Some rain fell except in the east. Denmark and Germany had local falls.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

With a continued rise of the barometer in the north and a fall in the south, an increase of N^ly. to N.E^ly. breezes is probable, with fair weather at first, except perhaps in the south-east. In France thundery conditions are probable.

FORECASTS*

For the 24 hours ending at NOON on 1st August, 1902

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N.W^ly. to N^ly. winds, light; fair.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	N.E^ly. winds, light; fair.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos. 0 to 2.
7 ENGLAND N.W.	
8 ENGLAND S.W.	N.E^ly. winds, moderate; fair.
9 IRELAND NORTH	N^ly. winds, light; fine.
10 IRELAND SOUTH	
WARNINGS	None issued.

Note. – The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature. Dry. °	Temperature. Wet. °	Temperature. Change.	Wind.	Weather.	Sea.	Weather.	Temperature. Max. °	Temperature. Min. °	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	c	*	c, bc	66	52	3.6	0.01
Newton Reigny (Penrith)	30.04	54	WSW3	c	30.09	+.04	51	49	−1	NW1	0	*	cp, o	59	46	5.7	0.09
Bath	30.14	59	W 1	0	?30.10	−.07	57	54	−2	N 1	0	*	—	64	?	1.8	0.06

REPORTS FOR YESTERDAY.

STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature. Max.	Temperature. Min.	Weather.	Sunshine. Hrs	Rainfall. Ins.
Harrogate, up to 6 p.m.	64	46	c, b, c	10.0	—	Worthing	*	*	*	4.0	*
Birmingham, 9 p.m.	63	50	c	2.4	—	Llandudno	*	*	*	2.7	*
Lowestoft, up to 6 p.m. ...	66	51	0	6.9	—	Rhyl up to 6 p.m.	*	*	*		*
Hastings	*	*	*	6.0	*	Southport, 9 p.m.	61	54	c	6.6	—
Eastbourne up to 6 p.m. ...	*	*	*		*	Manchester, 9 p.m. ...	65	49	b	3.5	—
Brighton	*	*	*	4.2	*	Darwen, 9 p.m.	60	48	c, ou	4.2	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 30. VII. 02	Temperature, F. Max. °	Temperature, F. Min. °	Weather.		Rain. Ins.	STATIONS. 29. VII. 02	Temperature, F. at 1 p.m. °	Weather. at 1 p.m.	Rain. (measured at 7 a.m.) Ins.
Marseilles	88	57	b	bc	—	Geneva	68	b	—
Utrecht	68	54	o	c	—	Berne	70	b	—
Copenhagen	64	52	o	o	0.20	Lucerne	70	b	—
Prague	70	57	c	o	0.12	Lausanne	?	?	—
Vienna	72	50	b	b	—	Lugano	81	b	—
Buda-Pesth	77	57	b	b	—	Locarno	?	?	—
St. Petersburg not rec.d	91								
Rome	91	68	b	b	—				
Malta	82	?68	?	bc	—				
Madeira (Funchal)	77	64	c	b.	—				

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally, r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

31. VII. 1902.	Sunrise G.M.T. h. m.	Noon G.M.T. h. m.	Sunset G.M.T. h. m.
Yarmouth	4.10	11.59	7.47
Greenwich	4.23	12.6	7.49
Wick	4.1	12.18	8.35
Valencia	5.1	12.47	8.33

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† Except at Oxford, where the observations are taken at 8 p.m.

ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12).	Weather.	THIS MORNING. Barometer. At 32° Fahr. and M.S.L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12).	Weather.	Sea (0 to 9).	PAST 24 HOURS. Weather.	Temp. Max.	Temp. Min.	Sunshine.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°								Hours.	Ins.
1	Coruna	29.74	64	S	5	o	29.93	+ .04	61	59	+ 1	SW	1	o	3	o	66	54	*	0.06
"	Lisbon	30.13	63	SSW	4	b	30.09	+ .09	66	60	0	SW	4	be	*	b	73	63	*	—
"	P. Delgada	30.28	61	NNW	3	b	30.33	+ .16	65	62	0	W	3	c	2	b	72	59	*	—
2	Coruna	30.00	65	SW	1	o	30.09	+ .16	63	59	+ 2	SW	1	be	2	o	66	57	*	0.51
"	Lisbon	30.08	63	SW	4	o	30.06	− .03	63	60	− 3	E	3	o	*	o	68	61	*	0.08
"	P. Delgada	30.41	65	W	3	b	30.39	+ .06	68	63	+ 3	W	4	be	2	b	70	64	*	—
3	Coruna	30.12	61	N	5	b	?	?	64	61	+ 1	N	3	b	3	b	68	59	*	—
"	P. Delgada	30.42	67	W	2	b	30.37	− .02	69	67	+ 1	W	4	be	2	b	73	66	*	—
4	Coruna	30.12	66	N	5	b	30.12	?	63	60	− 1	NE	1	b	2	b	72	59	*	—
5	Coruna	30.06	66	N	1	f	30.04	− .08	71	68	+ 8	W	1	o	4	—	73	63	*	—
"	P. Delgada	30.30	68	NNW	2	be	30.29	− .03	69	65	− 1	N	3	b	2	be	75	64	*	—
6	Newton Reigny	30.19	67	NW	1	b	30.16	− .03	64	60	+ 6	SSW	3	be	*	b	72	51	14.6	—
7	Coruna	30.08	68	NNW	1	f	30.12	?	63	61	?	NW	1	f	3	f	72	57	*	—
8	Coruna	30.14	64	NW	3	f	30.16	+ .04	64	63	+ 1	NW	1	f	3	f	70	57	*	—
"	P. Delgada	30.40	68	NE	2	c	30.41	+ .02	69	64	+ 1	NE	3	c	2	c	75	66	*	—
9	Coruna	30.16	64	NW	3	f	30.16	0	64	63	0	NW	1	f	3	f	70	57	*	—
"	Lisbon	30.13	67	WNW	4	b	30.12	− .03	70	66	+ 1	Z	0	o	*	b	81	64	*	—
"	P. Delgada	30.44	68	NNE	3	o	30.41	0	69	65	0	NNE	3	c	1	o	75	66	*	—
11	Coruna	30.07	71	NE	4	o	30.05	?	66	63	?	W	6	o	?	o	?	?	*	—
12	Coruna	29.94	71	ENE	5	o	29.92	− .13	66	64	0	ENE	1	f	3	o	73	63	*	—
13	Nice	30.01	74	W	2	be	30.13	+ .20	76	?	+ 4	NE	1	b	1	be	81	64	*	—
"	Newton Reigny	30.03	56	S	5	o	29.98	− .13	58	57	+ 6	SW	3	c	*	o	59	52	0.5	0.04
14	Lorient	30.01	67	Z	0	be	30.03	− .06	65	?	+ 3	ENE	1	c	1	be	87	61	*	—
"	Coruna	30.06	68	NW	3	o	30.07	+ .15	66	63	0	NNW	2	o	4	o	70	61	*	—
"	P. Delgada	30.27	68	WNW	1	be	30.28	+ .05	70	68	0	Z	0	c	2	be	73	66	*	—
15	Coruna	30.12	57	WNW	2	o	30.15	+ .08	63	61	− 3	WNW	2	o	2	o	77	57	*	0.16
"	Lisbon	30.18	65	WNW	4	b	30.18	+ .03	67	61	+ 1	NNW	4	c	*	b	72	63	*	—
"	P. Delgada	30.32	71	SW	3	c	30.30	+ .02	71	68	+ 1	SW	2	b	2	c	75	68	*	—
	Manchester 8 pm																84	52	8.3	—
16	Coruna	30.22	66	WNW	1	o	30.20	+ .05	63	60	0	WNW	1	f	4	o	68	57	*	—
17	Coruna	30.18	64	WNW	3	c	30.10	− .10	61	57	− 2	NE	1	f	3	c	66	55	*	—
"	Lisbon	29.99	69	NNW	5	b	29.93	− .15	75	68	+ 5	NE	3	b	*	b	81	68	*	—
"	P. Delgada	30.23	70	E	3	b	30.10	− .18	71	67	0	Z	0	c	3	b	77	70	*	—
18	Lisbon	29.85	78	NNW	4	c	29.89	− .04	76	67	+ 1	W	2	o	*	c	90	72	*	—
"	P. Delgada	30.03	70	SSW	4	o	30.00	− .10	70	65	− 1	S	4	be	3	o	75	68	*	—
19	Coruna	30.01	71	NNE	3	b	30.01	—	68	62	—	NNE	3	c	3	b	72	48	*	—
"	Lisbon	29.91	74	NNE	4	b	29.95	+ .06	72	67	− 4	SW	3	b	*	b	84	64	*	—
"	P. Delgada	30.07	70	SSE	4	be	30.06	+ .06	66	64	− 4	NE	3	c	3	be	75	64	*	—
20	Newton Reigny	29.94	52	E	1	o	30.02	− .01	50	47	− 3	NW	3	og	*	ogr	56	45	0.8	0.08
21	Lisbon	30.04	63	NNW	4	b	30.05	+ .05	66	58	0	NNW	4	c	*	b	72	61	*	—
"	P. Delgada	30.10	70	S	4	be	30.04	− .02	70	68	0	S	5	r	5	be	73	66	*	0.04
23	Lisbon	30.11	62	NNW	4	be	30.09	+ .01	66	60	0	N	3	b	*	be	73	61	*	—
25	Coruna	30.02	63	?	3	f	29.88	—	66	61	—	WSW	2	be	2	f	66	59	*	—
"	P. Delgada	30.31	67	WNW	4	b	29.93	+ .02	67	62	0	W	4	b	5	b	73	64	*	—
26	Coruna	29.87	78	S	6	b	29.88	.00	66	61	0	SSE	3	c	3	b	81	61	*	—
"	Lisbon	30.00	67	SW	4	b	30.05	+ .05	69	66	+ 2	SW	3	r	*	o	73	66	*	—
"	P. Delgada	30.06	65	NNW	1	b	30.12	+ .19	67	62	0	N	1	b	3	b	73	61	*	—
27	Newton Reigny	29.92	59	ESE	1	r	29.46	− .01	49	49	− 2	NW	3	rg	*	or	69	49	2.0	1.16
28	Coruna	30.30	63	NW	3	c	30.31	—	69	57	—	NW	2	f	3	c	64	54	*	—
"	Lisbon	30.16	64	NNW	6	b	30.14	− .01	70	61	+ 3	N	4	b	*	b	75	63	*	—
"	P. Delgada	30.14	69	SSE	5	r	30.05	− .15	71	68	+ 3	S	5	be	5	r	73	68	*	—
29	Coruna	30.26	71	N	3	b	30.19	− .12	61	59	− 8	NE	1	f	3	b	72	57	*	—
30	Coruna	30.14	69	NE	1	f	30.15	− .04	59	57	− 2	NE	1	f	3	f	75	54	*	—
31	Coruna	30.14	63	NNW	1	f	30.11	− .04	61	60	+ 2	WNW	1	f	4	f	64	55	*	—
"	Lisbon	30.08	72	NNW	2	b	30.10	− .02	68	60	− 7	N	4	b	*	b	88	61	*	—
"	P. Delgada	30.28	65	NW	2	b	30.28	+ .05	67	63	− 1	NNW	2	be	2	b	73	63	*	—

REPORTS FOR JULY 1902.

2. CORRECTIONS.

DATE.	STATIONS.	YESTERDAY EVENING					THIS MORNING.									PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.			BAROMETER.		TEMPERATURE.			WIND.					TEMP.			
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	At 32° Fahr. and M.S.L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	Max.	Min.	Sunshine.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°								Hours.	Ins.
1	Stornoway	–	–	–	–	–	–	+ ·13	–	–	–	–	–	–	–	–	–	–	–	–
"	Wick	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	65	–	–	–
2	Parsonstown	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	68	–	–	–
3	Færöler	29·89	59	WNW	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
"	Bath	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	44	–	–
5	Malin Head	–	–	–	–	–	–	–	62	62	+ 6	–	–	–	–	–	–	–	–	–
"	Parsonstown	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0·03
6	Malin Head	–	–	–	–	–	–	–	–	–	– 2	–	–	–	–	–	–	–	–	–
7	London	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	6·4	–
8	Malin Head	–	–	–	–	–	–	–	57	57	+ 3	–	–	–	–	–	–	–	–	–
9	Blacksod Pt	–	–	–	–	–	29·89	– ·14	–	–	–	–	–	–	–	–	–	–	–	–
11	Donaghadee	–	–	–	–	–	30·14	–	–	–	–	–	–	–	–	–	–	–	–	–
"	Dungeness	–	–	–	–	–	–	–	–	51	–	–	–	–	–	–	–	–	–	–
"	Fanö	29·25	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
12	Clacton on Sea	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	10·0	–
"	Brighton	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	12·5	–
13	Valencia	–	–	–	–	–	–	–	–	58	–	–	–	–	–	–	–	–	–	–
14	Jersey	30·07	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
"	Malin Head	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0·07
"	Llandudno	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	8·2	–
"	Manchester 9pm	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ow. 6	70	50	3·0	–
17	Malin Head	–	–	–	–	–	–	–	–	–	–	–	6	–	–	–	–	–	–	–
18	Valencia	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	54	–	–
"	Roche's Point	?30·12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
19	Valencia	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	9·5	–
"	Llandudno	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	11·2	–
20	Whitby	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	?	–	–
"	Parsonstown	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0·13
"	Yarmouth	–	–	–	–	–	29·88	– ·16	–	–	–	–	–	–	–	–	–	–	–	–
"	Bath	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	49	–	–
21	Spurn Head	?29·91	–	–	–	–	29·89	– ·04	–	–	–	–	–	–	–	–	–	–	–	–
"	Yarmouth	–	–	–	–	–	29·84	– ·04	–	–	–	–	–	–	–	–	–	–	–	–
"	Loughborough	–	–	–	–	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–
"	London	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0·01
"	Llandudno	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	6·9	–
22	Skudesness	29·73	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
"	Nairn	–	–	–	–	–	–	–	–	51	–	–	–	–	–	–	–	–	–	–
"	Spurn Head	–	–	–	–	–	–	+ ·01	–	–	–	–	–	–	–	–	–	–	–	–
25	Spurn Head	–	–	–	–	–	29·90	–	–	–	–	–	–	–	–	–	–	–	–	–
"	Yarmouth	–	–	–	–	–	–	–	57	–	– 2	–	–	–	–	–	–	–	–	–
27	Malin Head	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0·36
29	Donaghadee	–	63	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
31	Bath	–	–	–	–	–	30·10	–	–	–	–	–	–	–	–	–	–	52	–	–